DOCUMENT RESUME

ED 086 106 HE 005 013

AUTHOR	Aleamoni, Lawrence M.; And Others
TITLE	Development of a Post-Secondary Student Information System for Illinois Students. Final Report.
INSTITUTION	Illinois Univ., Urbana. Office of Instructional Resources.
SPONS AGENCY	Illinois State Dept. of Finance, Springfield.
PUB DATE	Oct 73
NOTE	248p.
EDRS PRICE	MF-$0.65 HC-$9.87
DESCRIPTORS	College Students; Computer Programs; *Higher Education; *Information Networks; *Information Retrieval; *Information Systems; Questionnaires; *Student Records

ABSTRACT

The present study was divided into four components dealing with: (a) development of a student data tape containing both intellective and non-intellective data; (b) development of a computer-based retrieval system to be used with a student data tape; (c) development of a senior survey form to be used on graduates of Illinois institutions of higher education; and (d) determining the validity of student-reported family income data. The results of the four components indicated that it is feasible to build a state-wide data tape and a retrieval system to access and use such a file. Graduating senior data can be meaningfully gathered through mailed questionnaires and, therefore, could be used to enhance and enrich the entering student data. There was quite a close correspondence between student reported and actual family income data indicating that the students can be relied upon to provide accurate personal and familial data. The particular limitations observed in each component of the study did not appear to have a major effect on the appropriateness and future applications of the results. (Author)

FILMED FROM BEST AVAILABLE COPY .

ED 086106

FINAL REPORT

DEVELOPMENT OF A POST-SECONDARY STUDENT INFORMATION SYSTEM FOR ILLINOIS STUDENTS

Principal Investigator: Lawrence M. Aleamoni

Co-Investigators: Dale C. Brandenburg
David P. Eisenman
Gerald M. Gillmore
Joseph L. Spaeth

October 1973

U.S. DEPARTMENT OF HEALTH,
EDUCATION & WELFARE
NATIONAL INSTITUTE OF
EDUCATION
THIS DOCUMENT HAS BEEN REPRODUCED EXACTLY AS RECEIVED FROM THE PERSON OR ORGANIZATION ORIGINATING IT. POINTS OF VIEW OR OPINIONS STATED DO NOT NECESSARILY REPRESENT OFFICIAL NATIONAL INSTITUTE OF EDUCATION POSITION OR POLICY.

HE 005 013

STATE OF ILLINOIS
Department of Finance
Bureau of the Budget

Table of Contents

Page

Summary . . . . *iv*

List of Tables and Figures . . . . *v*

Introduction 1

Overview of the Four Components 1

Development of the Data Tape 1

Development of the Computer-Based Retrieval System 2

Development of the Illinois Senior Survey 2

Validity Study of Student-Reported Family Income 3

Results and Discussion of the Four Components 3

Development of the Data Tape 3

Development of the Computer-Based Retrieval System 5

Development of the Illinois Senior Survey 6

Validity Study of Student-Reported Family Income 22

Summary and Conclusions 28

References 29

Appendices

Appendix A - Proposal to Develop a Post-Secondary Student Information System for Illinois Students 30

Appendix B - American Council on Education's 1972 Student Information Form 61

Table of Contents Page

Appendix C - 1972 ACE Individual Student Information Form Tape Format 64

Appendix D - Student Information Form Data for University of Illinois Students 72

Appendix E - User's Manual .108

Appendix F - Institutions Participating in the ACE and Illinois Senior Survey 117

Appendix G - Survey Materials 119

Appendix H - A Brief Note on Field Costs in the Illinois Senior Survey 127

Appendix I - Pretest Materials 129

Appendix J - Percentage and Frequency Tabulations for Each Item of the Senior Survey by Type of Institution. .138

Summary

The present study was divided into four components dealing with: (a) development of a student data tape containing both intellective and non-intellective data; (b) development of a computer-based retrieval system to be used with a student data tape; (c) development of a senior survey form to be used on graduates of Illinois institutions of higher education; and (d) determining the validity of student-reported family income data.

The results of the four components indicated that it is feasible to build a state-wide data tape and a retrieval system to access and use such a file. Graduating senior data can be meaningfully gathered through mailed questionnaires and, therefore, could be used to enhance and enrich the entering student data. There was quite a close correspondence between student reported and actual family income data indicating that the students can be relied upon to provide accurate personal and familial data. The particular limitations observed in each component of the study did not appear to have a major effect on the appropriateness and future applications of the results.

List of Tables

Table Page

1 ACE Stratification Cells for Institutions 8

2 Type of List Provided by Sample Institutions and Size of Sample at Each 10

3 Sample Size and Response Rate on Pretest by Institution and Questionnaire Format 13

4 Mailing Dates for Institutions in Illinois Senior Survey Sample (Month/Day) 15

5 Response by Wave and Institution 16

6 Distribution of Response Rate From Institutions 17

7 Response Rate by ACE Sample Cell 17

8 Response Rate by Institutional Type 18

9 Anticipated Date of Graduation (Frequencies) 20

10 Percentage Distribution of Students' Estimates of Parental Income by Reported Adjusted Gross Income of Parents 24

11 Distribution of Students' Estimates of Parental Income and Reported Adjusted Gross Income of Parents 27

List of Figures

Figure

1 Mean Parental Income by Student Estimates of Family Income. . 26

Introduction

In the fall of 1970, a small group of Illinois College Psychometrists met and discussed the need for communication among college personnel responsible for testing and evaluation programs in the state of Illinois. As a result of that original meeting, three subsequent conferences were held and the Illinois College Psychometrists Association was formed representing community colleges, junior colleges, public senior colleges and universities, and private colleges and universities.

One of the many topics discussed at the Illinois College Psychometrist Association meetings was the generation of a data file containing non-intellective as well as intellective variables on post-secondary students in the state of Illinois. It was felt that such a data file could enable participating institutions in the state to: (a) be directly involved in generating the file by providing data on students located in their region; (b) access the file and use it for making decisions on selection (possibly including placement and proficiency) of students applying to their institution; (c) enable non-intellective characterizations of students in each institution and on a state-wide basis; and (d) provide a better match of student to institution through the use of the intellective and non-intellective data.

The present study, therefore, was designed as a pilot study to test out the feasibility of: (a) generating a data file utilizing student data from several different institutions in the state of Illinois; (b) developing a computer-based retrieval system capable of responding to the various needs of the participating institutions; (c) surveying graduates of Illinois institutions of higher education and utilizing that data as a criterion measure for the entering student characteristics; and (d) conducting related studies to determine the validity of student-reported family incomes which was obtained through the use of non-intellective instruments on students entering Illinois institutions of higher education.

Although national testing organizations such as Educational Testing Service (ETS) and American College Testing (ACT) program gather some data similar to that proposed in this study, the scope and accessibility of that data from these testing organizations would be much more limited.

Since this pilot study was designed as a four component study, this report will present each component as a separate sub-study and then summarize and describe the implications of the total study. Appendix A contains the proposal submitted to the state of Illinois Department of Finance.

Overview of the Four Components

Development of the Data Tape

This component of the study was concerned with generating a data tape containing non-intellective as well as intellective variables on post-secondary students in the state of Illinois. The primary purpose in generating such a tape was to see, on a pilot basis, if it was possible to secure the cooperation of different institutions of higher learning in generating a common data file. A secondary purpose was to show how a common data file might be accessed by each participating institution and what types of data analyses and comparisons would be available.

Particular advantages that such a common data file might provide are: (a) to allow each participating institution to participate in generating the file by providing data on students located in their region of the state; (b) to allow each participating institution to access the data file and use it for making decisions on selection (and possibly placement and proficiency) of students applying to their institution; (c) to enable non-intellective characterizations of students in each institution and on a state-wide basis; and (d) to provide a better match of student to institution of higher education through the use of the intellective and non-intellective data.

Development of the Computer-Based Retrieval System

The purpose of the computer-based retrieval system was to provide a pilot system for the collection, storage and analysis of student and student-related characteristics data for the Carnegie Three-Year Baccalaureate Study. This system was designed to be expandable into an information system to yield analyses pertinent to questions concerning a variety of aspects of the higher education experience. The system was tested on data which is quite similar to that proposed to be collected on students statewide, i.e., the three-year degree data. Information may be obtained from the system by minimally trained users and it allows for rapid retrieval of information on individual students, on specified groups of individuals, or as a function of other specified variables.

Development of the Illinois Senior Survey

The Illinois Senior Survey was conducted by the Survey Research Laboratory (SRL), University of Illinois, in collaboration with the University's Measurement and Research Division (MARD) of the Office of Instructional Resources, for the Department of Finance, state of Illinois, from October 1972 through September 1973. It was designed as a large-scale pilot study to assess the feasibility and costs of carrying out a survey that might eventually include all graduates of Illinois institutions of higher education. In the present survey, basic information was collected on the characteristics of a cohort of prospective graduates from a sample of Illinois colleges, including recipients of associate degrees from junior and community colleges. These characteristics included career plans and plans for further education, an evaluation of the college experience, the financing of the student's college education, and basic background information such as parental education, occupation, and income.

Given the general aims of learning about the *results* of higher education, the specific purpose of the present survey was to serve as a pilot project that would test a variety of procedures that could later be applied on a larger scale. As a pilot study, it was designed to be large enough to yield data that would permit analysis of the outcomes of college for Illinois graduates but small enough to be done at reasonable cost.

Validity Study of Student-Reported Family Income

The purpose of this component was to investigate the accuracy with which students estimated the income of their parental family. The study was limited to the University of Illinois at Urbana-Champaign freshmen who participated in the 1971 American Council on Education's (ACE) Student Information survey because appropriate data for other institutions were not available. The data source for parental reports of their own incomes was the records of the Department of Revenue, state of Illinois.

Results and Discussion of the Four Components

Development of the Data Tape[1]

Procedure

The 25 Illinois colleges and universities who were already planning on using the ACE Student Information Form (SIF) on their fall 1972 freshmen were contacted and asked to make sure that their students coded their social security numbers on the SIF (see Appendix B). These institutions were also asked at that time to release a tape copy of their students' SIF data to MARD of the Office of Instructional Resources at the University of Illinois at Urbana-Champaign.

Each institution that agreed to participate in this pilot study and release its SIF data was later contacted and asked to provide intellective data such as: (a) ACT test scores, (b) SCAT test scores, (c) Cooperative Reading Test scores, (d) high school percentile rank (HSPR), and (e) first term and/or first year grade point average (GPA).

Once the SIF tapes and the intellective data for each participating institution were secured, new data tapes for each institution were generated with common data located in common positions on the data file. These data tapes could then be merged into one master data file containing common information for all the participating institutions.

A final step of the pilot program was to do some preliminary data analyses and provide the appropriate information to each participating institution.

Results

Six of the 25 institutions contacted agreed to participate and provide MARD with their SIF data tapes. These institutions were: Black Hawk College, MacMurray College, Monmouth College, Prairie State College, Western Illinois University, and the University of Illinois at Urbana-Champaign. For Black Hawk College and MacMurray College, the SIFs had to be retrieved from ACE and have the students' social security numbers coded as they had agreed to participate after their forms had been completed and sent back to ACE.

---

[1] Report prepared by Lawrence M. Aleamoni.

After the SIFs had been returned to ACE for processing, each of the participating institutions was contacted and asked to identify what types of intellective data they collected from their students. With this information, a set of common variables would be identified and requested from each of the participating institutions. The responses indicated that ACT test scores and HSPR were the only two common intellective variables available on all institutions. However, SCAT, Cooperative Reading, and GPA were still requested if they were available.

Four of the six institutions that agreed to participate actually provided their ACE/SIF data tapes. They were MacMurray College, Prairie State College, Western Illinois University, and the University of Illinois. In addition, MacMurray College provided ACT, Cooperative Reading, SAT, and HSPR data. Prairie State has provided ACE, CEEB English Composition Test, and Nelson-Denny Test data. Western Illinois University has provided ACT, HSPR, and GPA data. University of Illinois has provided ACT, SCAT, HSPR, and GPA data.

The data tapes have been generated and contain both the non-intellective and intellective variables. The tapes have been generated by institution and the formats are found in Appendix C.

Discussion

The fact that only six of the 25 institutions agreed to participate in this pilot study can largely be attributed to the lateness of the request for participation as many had already either administered or had decided not to send their forms to ACE. Why only four of the six actually made their SIF data tapes and intellective data available has not been answered. However, for the four participating institutions, the experience of gathering the data and creating the data files indicates that a much more broadly based data file system could be generated. Many of the institutions in the state have expressed an interest in participating in such a broad based data system. Most of them, in fact, would have participated in the present pilot study if we had been able to inform them of our proposed study earlier.

Analysis of the data contained on the data files for each participating institution is presently underway and will consist of correlational and institutional type of comparisons. The fact that all the intellective and non-intellective data was not available until very recently precluded the possiblity of including any of the data analyses in this final report. However, once they are completed, they will be provided to the funding agency and each participating institution. The only data presently available is found in Appendix D and represents a report of the SIF data for the University of Illinois at Urbana-Champaign students.

Development of the Computer-Based Retrieval System[2]

Basic Elements of the System

The information system is composed of two basic elements: the Information Processing Executive and the Statistical Analysis and Report Generator.

Information Processing Executive. Because of the large amount of character data which the system must handle, PL/1 was chosen as the executive language. Since FORTRAN is the only language currently available on the University of Illinois (Urbana Campus) interactive system, and since it seemed to result in no crucial loss to the overall efficiency of the system, the executive was written in a batch processing environment.

Once the data are in a usable form, they can be sorted on as many as ten variables (e.g., age, sex, grade point average). Each of these control variables has a criterion value and the user can specify whether he wants a control variable to be less than or equal, exactly equal, or greater than or equal to its corresponding criterion value. After all the data for a given subject are read, the values of his control variables are checked against the criterion values. If all criteria are met, prespecified output variables are written onto a new file on which any desired statistical procedures can be performed and any report generated by the second major component of the system.

Statistical Analysis and Report Generator. The interactive statistical package consists of six discrete FORTRAN programs. XBARSD yields the mean and standard deviation of one variable at a time with provisions for obtaining statistics for as many variables as desired. PEARSON is similar to XBARSD, but gives the Pearson Product-Moment correlation of two variables in addition to their means and standard deviations. FREQ1 and FREQ2 yield one-way and two-way frequency counts, respectively. The user may specify interval size and range with a default option of interval size = 1. Row and column marginals are printed along with cell frequencies and percentages unless the user chooses to suppress the output. Both programs calculate means, standard deviations and Pearson r's. In addition, FREQ2 has the capability of providing the user with results of Fisher's Exact Test, chi square, chi square for contingency tables, Cramer's V, phi, contingency coefficient, Kendall's tau B and Kendall's tau C. The program determines whether or not a given test is appropriate; if it is not, a message to that effect is printed out.

The fifth program, ANV1WAY, is a one-way analysis of variance program which prints out an ANOVA summary table including sample sizes, means and standard deviations. MULTCOR, the last program of the package, includes the capabilities for computing means, standard deviations, correlation matrix, multiple correlation and regression analysis with appropriate descriptions. All of the above programs are equipped to delete missing data. A user's manual for each of the basic components is provided in Appendices D and E.

---

[2] Report prepared by Dale C. Brandenburg with the assistance of Theodore W. Hertzog and Gerald M. Gillmore.

Development of the Illinois Senior Survey[3]

There are two major reasons for deciding to conduct a survey of prospective graduates of Illinois colleges rather than some other group of Illinois students. First, the simple facts of what happens to college graduates are becoming increasingly important. The tightening of the job market, leading to some diminution of opportunities for bachelor's degree holders, and the relatively low demand for holders of advanced degrees make the success of Illinois graduates in finding a job or a place in graduate or professional school an important matter in its own right.

Furthermore, student course evaluations yield some information about student reactions to the colleges they are currently attending, but the actual outcomes of a college education are relatively unknown. What are the real-world consequences of a college education? How many Illinois graduates take jobs? How many go on for further training? How many find the kind of job they want or the kind of activity they want to do?

The second reason for restricting our attention to prospective graduates was the availability of data on freshmen. Since 1967, ACE has carried out a nationwide survey of that year's entering freshman class. Although the ACE survey is an extremely large one, it includes only a sample of the colleges and universities in the United States. Since this sample contains 24 schools in Illinois and therefore provides considerable information on Illinois freshmen, it was decided to use the same basic sample for the present survey in order to collect parallel information on Illinois seniors.

The potential problems that the pilot study was designed to investigate include nonresponse to the survey, processing of the questionnaire answer sheets, and the feasibility of scheduling such an effort close to the end of an academic year. The results of the pilot study were extremely encouraging. Completed answer sheets were received from 66 percent of the prospective graduates to whom the questionnaire was sent. An optically scanned answer sheet designed for the study by MARD of the Office of Instructional Resources proved to be an effective and inexpensive method of collecting the data so that the study was carried out at a cost of approximately $27,000--about $8.50 per respondent or $5.60 per student sampled. Furthermore, the time schedule of the study, although it presented some difficulties, was successfully met. This report will provide further detail on these and other matters.

Procedures

The procedures to be evaluated in this pilot study included the method of administering the questionnaire (by mail), the adequacy of the questionnaire itself, and the feasibility of using an optically scanned answer sheet that was physically separate from the questionnaire. Such questions as the following needed to be answered: What response rate could a mailed questionnaire be expected to yield and at what cost?

---

[3] Report prepared by Joe L. Spaeth with the assistance of Gary H. Siegel.

Were the questionnaire items clear enough and detailed enough so that respondents could give meaningful answers to them? Would a separate answer sheet be confusing to the respondents? Would the respondents get lost somewhere in the middle of the sheet and thereby invalidate the remainder of the answers? As will be shown in detail below, answers to these questions indicated that the techniques used were successful. The response rate was 66 percent; the questionnaire items had acceptably low levels of missing data; and the answer sheet was filled out as completely and accurately as a normal questionnaire would have been.

Sampling. The sample of schools for this study was the same as that drawn for the ACE survey of freshmen (Astin, Panos, and Creager, 1966; Creager, 1968; American Council on Education, 1971), with the addition of two Chicago junior colleges--Wright and Loop.

As mentioned earlier, the ACE sample design was chosen because it would provide directly comparable material on freshmen. This decision was not without some cost. Since the ACE sample is a national one, it is not optimally efficient as a sample of the state of Illinois. The ACE sample is based on a rather complex stratification scheme that takes into account the type of school (two-year, four-year, or university); control (public versus private); for four-year colleges or universities, the "selectivity" of the student body, which is essentially its mean SAT score; and for two-year colleges, the enrollment, which serves as the third stratifying variable instead of selectivity. Since ACE did not stratify its sample by state, its draw of Illinois institutions could have been rather unrepresentative as to type of school.

Table 1 shows the ACE stratification cells along with the number of Illinois schools and prospective graduates in each[4], as well as the number of sample schools in each cell and the number of prospective graduates in these sample schools. Counting the three strata of predominantly black institutions not listed in Table 1, there were 10 cells into which no Illinois colleges fell. In addition, there were seven cells containing Illinois institutions but with no schools in the sample. These seven cells contained a total of 16 schools with 2,282 prospective graduates. As a group, these schools were quite small; their mean "senior" class size was 143 which represented only 3.8 percent of all graduates in the state. Omission of these cells from the ACE Illinois sample is therefore not a serious bias in the sampling design.

The same can be said for the ratio of schools in the ACE sample to schools in the state, as far as many of the cells are concerned. Of the 15 cells in the Illinois sample, seven contained four schools, or half the number of Illinois schools in that cell. The most serious under-representation of schools was among the large public junior

---

[4] The number of prospective graduates in four-year colleges and universities is the figure for seniors for 1972 given in Froehlich and Lewandowski (1972). The number for two-year institutions is the institution's estimate of its associate degree recipients, which was provided to this survey in August, 1973.

TABLE 1

ACE STRATIFICATION CELLS FOR INSTITUTIONS

Stratification Cell	Number in Illinois	Number of Seniors[a]	Number in Sample	Number of Seniors[a]
Public University				
Selectivity:				
1. Less than 500	9	25,860	4	10,569
2. 550-599	0	0	0	0
3. 600 or more	1	5,966	1	5,966
Private University				
Selectivity:				
4. Less than 550	4	4,351	2	2,825
5. 550-599	3	2,541	1	490
6. 600 or more	2	2,010	1	1,561
Four-Year Public College				
7-10.	0	0	0	0
Four-Year Nonsectarian				
Selectivity:				
11. Less than 500	4	372	2	241
12. 500-574	2	262	1	161
13. 575-649	2	357	0	0
14. 650 or more	0	0	0	0
15. Unknown	1	16	0	0
Four-Year Catholic				
Selectivity:				
16. Less than 500	4	984	1	203
17. 500-574	4	729	0	0
18. 575 or more	0	0	0	0
19. Unknown	2	250	0	0
Four-Year Other Sectarian				
Selectivity:				
20. Less than 450	4	628	0	0
21. 450-499	6	1,191	1	212
22. 500-574	8	2,101	2	535
23. 575 or more	1	207	1	207
24. Unknown	1	29	0	0
Two-Year Public				
Enrollment:				
25,26,27. Less than 500	2	273	0	0
28,29. 501-5,000	39	9,681	4	2,462
b. 5,001 or more	8	2,631	2	3,068
Two-Year Private				
Enrollment:				
30,31,32. Less than 500	11	597	1	190
33. 500 or more	3	950	1	189
Total	121	61,986	25	28,879

---

[a] Seniors in four-year institutions; number of graduates estimated by two-year institutions.

[b] Not an ACE sample cell.

colleges (2/8), the small private junior colleges (1/11), and the four-year sectarian institutions with selectivity scores of 450-499 (1/6) and 500-574 (2/8). The extent to which this under-representativeness biases our sample of institutions is unknown, but it is the price to be paid for utilizing a sample of schools for which comparable data are available.

Preliminary estimates had indicated that a sample of about 5,000 respondents could be obtained within the project budget. For purposes of efficient estimation, it was decided to draw the same number of prospective graduates from each college. With 25 colleges in the sample, the desired sample size per school was 200.

The next step was to obtain lists of seniors expected to graduate in spring or summer, 1973, and of junior college sophomores scheduled to receive associate degrees during that same time period. Requests for such lists were sent to each institution in the sample. One institution (Highland Community College) refused to cooperate and was dropped from the sample, thus making the total number of institutions 25 instead of 26. (See Appendix F for the list of institutions included in the final sample.) Two others (St. Xavier and Prairie State) refused to supply lists but agreed to carry out the field work themselves. Of the other 23, 15 supplied mailing labels or lists of prospective graduates, three provided lists of seniors, and five provided student directories that distinguished seniors from other students. Of the eight schools furnishing lists of seniors or student directories, three had fewer than 200 seniors. In order to allow for the possibility that some seniors would not graduate, an oversample of 250 was drawn from the other five schools. Those who did not graduate would be eliminated later through information collected on the survey questionnaire.

Table 2 shows the institutions in the final sample, the type of list made available by each, and the size of the sample drawn at each.

The procedure for drawing samples of prospective graduates was similar for each institution. All students on the graduating lists were taken at those colleges having 200 or fewer graduates. For those with 201-300 graduates, the list was reduced to the desired 200 names. The process involved the random selection of a starting point in the list, and the deletion of every *n*th name until 200 remained. For colleges with more than 300 graduates, a sample of 200 or 250 was drawn by selecting a random start and drawing every *n*th case. Additions or deletions were made at random to obtain exactly the desired number.

Questionnaire design. The questionnaire for graduates was based primarily on three sources: the ACE freshman questionnaire, a series of questionnaires designed and administered by the National Opinion Research Center (NORC) of the University of Chicago for a national sample survey of the college graduating class of 1961 (Davis, 1964, 1965; Spaeth and Greeley, 1970), and the Illinois Course Evaluation Questionnaire, Form 72 (CEQ). Areas to be covered were career and educational plans; satisfaction with the institution, the curriculum, and the major; college academic and extracurricular attainments; college

TABLE 2

TYPE OF LIST PROVIDED BY SAMPLE INSTITUTIONS AND SIZE OF SAMPLE AT EACH

Institution	ACE Cell	Type of List	Size of Sample
Augustana	22	Graduates	200
Black Hawk	28	Graduates	200
Bradley	04	Graduates	200
Chicago State	08	Directory	244[a]
Geo. Williams	11	Graduates	108[a]
I.I.T.	13	Graduates	200
Kishwaukee	27	Graduates	144[a]
Lake Forest	23	Graduates	200
Lewis and Clark	30	Graduates	182[a]
Lincoln	24	Directory	199[a]
Loop J. C.	b	Graduates	200
Loyola	05	Seniors	250
MacMurray	22	Graduates	161[a]
Monmouth	22	Graduates	162[a]
Nat'l. Coll. Ed.	11	Graduates	96[a]
Northwestern	06	Directory	248
Prairie State	27	Institution mailed	200
Rockford	12	Directory	167[a]
St. Xavier	18	Institution mailed	194[a]
SIU-Carbondale	01	Graduates	200
SIU-Edwardsville	10[c]	Seniors	178[a]
Springfield	31	Directory	178[a]
U. of I. - Urbana	03	Seniors	250
Western Ill. U.	08[c]	Graduates	200
Wright J. C.	b	Graduates	197[a]

[a] Total number of graduates available.

[b] Not in ACE sample.

[c] Treated as 01.

entrance characteristics; the financing of the student's education; information on the social and economic aspects of the student's family; and other topics related to student plans and experiences.

If a question was present in the ACE questionnaire, it was generally used. If not, the NORC questionnaire was used as the source. Ten course evaluation questions were taken from the CEQ. Finally, a few questions were developed specifically for this study. Included among these were location of last high school attended, time of occupational career decision, and perceived chances of employment. The final questionnaire, answer sheet, and cover letters are presented in Appendix G.

Field work: The pretest. Since most of the questions had been used in other studies, actual field testing of the items was not a major goal of the pretest. The questionnaire was designed to be optically scanned. The use of such a procedure for a self-administered questionnaire had been proved feasible by the ACE survey. However, it was not known whether an answer sheet that was separate from the questionnaire would be workable. Therefore, the pretest was carried out mainly in order to test the feasibility of a separate answer sheet.

The cost benefits of such an answer sheet would be appreciable. The standard approach for self-administered questionnaires is to put the questions and adjacent space for the answers together in the same booklet. In the present survey such an approach would have had two cost disadvantages: (1) a bulky booklet would have had to be sent out and returned by mail, with commensurate postal charges, and (2) each page of the booklet would have had to be optically scanned separately. A single answer sheet using both sides of the page would contain as much information as an eight-page questionnaire booklet. Scanning charges would thus be only one-fourth as great, and appreciable savings could also be made with respect to mailing costs. Consequently, the pretest was set up as an experimental test of the feasibility of using a separate answer sheet. A breakdown of the costs for this aspect of the Senior Survey is presented in Appendix H.

The questionnaire was pretested in two different formats; one instrument was a traditional questionnaire with the questions and answers combined in the same booklet and the other was a questionnaire with a separate answer sheet. Copies of the actual instruments used in the pretest are in Appendix I.

Four Illinois institutions were chosen to participate in the pretest: three state universities and one public junior college. None of these was in the ACE sample of schools to be used for the main study. Because it was assumed that nonresponse to individual questions and ease of filling out the form would not vary much between schools and because of time pressures, the schools were a convenience sample, not a random one.

Each institution supplied a list of prospective graduates, and a sample of 200 each was drawn from two of the state universities, all 207 graduates were taken from the third state university, and all 129 graduates from the public junior college. Each of these samples was divided into two halves at random. One-half received a questionnaire with questions and answers together, the other a questionnaire with a separate answer sheet.

Each student received a single mailing of the questionnaire in late February, 1973. No followups were planned or carried out owing to the time pressures and the opinion of the research staff that followups would not alter the crucial comparison between response rates for the two types of instrument.

Response rates are shown by type of questionnaire format and institution in Table 3. Although there was some variation in response rate by institution and, between institutions, by questionnaire format, no pattern emerged favoring one type of instrument over the other. Furthermore, the total response rates by type of instrument were virtually identical: 30 percent for the combined form and 31 percent for the separate answer sheet. There was thus no evidence of a handicap in response rate associated with the separate answer sheet.

In addition, responses to each question were compared in order to see whether nonresponse to individual items would be affected by the type of form used. There was no pattern of nonresponse between the two types of instrument and both had item nonresponse rates usually well under five percent. Since the pretest indicated little difference between the two instuments, clearly the appropriate decision was to use the separate answer sheet for the main study.

Field work: The main study. The original target date for mailing the questionnaires was April 1, 1973. This date had to be set back to April 17, owing to delays in preparing the final questionnaire and answer sheet and because lists of graduates were not forthcoming from institutions until shortly before then. In fact, mailing of the questionnaire had to be done on a staggered basis because many institutions were unable to provide lists until considerably later than mid-April. The first mailing of questionnaires, on April 17, went to the sample of prospective graduates at seven schools. By April 20, mailings had been sent to sampled students at nine additional institutions. The last initial mailing was sent out on May 10. Our delay in producing the questionnaire was less of a handicap than the inability of several institutions to produce lists of prospective graduates by mid-April.

It was recognized at the outset, that one mailing would not produce an acceptable response rate. The pretest was confirmation of that expectation, if any were needed. Plans were accordingly made to send followup mailings at intervals after the first mailing. Since the first mailings had to be staggered, the followups were also staggered, although to a lesser extent. Criteria for sending out the second wave of questionnaires were the interval since the first mailing and the date when the term ended at each school. It was desirable to delay the second mailing until the first had produced most of the responses that it was going to, but we wanted to have the second mailing delivered before the term ended. Ultimately, the first mailing of questionnaire, cover letter, answer sheet, and return envelope was followed by two followup mailings of the

TABLE 3

SAMPLE SIZE AND RESPONSE RATE ON PRETEST BY INSTITUTION AND QUESTIONNAIRE FORMAT

Institution	Sample Size	Response by March 13	Response Rate
Questionnaire with Questions and Answers Together			
State University 1	100	35	35%
State University 2	100	36	36
State University 3	103	28	27
Public Junior College	65	13	20
Subtotal	368	112	30%
Questionnaire with Separate Answer Sheet			
State University 1	100	44	44%
State University 2	100	31	31
State University 3	104	34	32
Public Junior College	64	8	12
Subtotal	368	117	31%
Total	736	229	31%

same questionnaire with new cover letters. The third mailing was usually sent to the respondent's home address. In addition, a postcard reminder was sent a few days after the third mailing.

Table 4 lists the institutions in the sample and shows the mailing dates for each. Questionnaire mailing began on April 17, and ended on June 14, with the last postcards sent out on June 15. The cutoff date for processing returned answer sheets was July 5, and those received after that date were not scanned.

As is usually the case in studies of this kind, response rates by institution are quite variable (Table 5). On the first wave of mailings the range was from 19 to 50 percent, on Wave 2 from six to 38, and on Wave 3 from six to 19, with an average response rate by mailing wave of 35, 19, and 12 percent. The final response rate was 66 percent, or 3,202 cases.

Final response rates are summarized in Table 6, which shows the frequency distribution of response rates from the institutions in the sample. Just over two-thirds of the schools had response rates of 65 percent or higher, and all but 12 percent (three schools) had response rates above 60 percent. These three schools brought the average down from 69 to 66 percent.

Of some interest is the extent of response bias by institutional type. The data are first presented by ACE sample cell in Table 7. Though variation in response is not as great as that among institutions, two of the smaller cells have low response rates--number 23 with 50 percent and number 33 with 46 percent.

Table 8 shows response rates by institutional type under the classification schemes to be used later in this report for giving results by questionnaire item. The first scheme simply divides institutions into three types: two-year colleges, four-year colleges, and universities. The second splits these types according to control--public or private. (There are no four-year public colleges in Illinois.)

The division of institutions into two- and four-year colleges and universities reveals a totally negligible variation in response rate: all are within one percent of the overall rate of 66 percent. The same is nearly as true of the more detailed breakdown, with only private two-year colleges being under-represented; only 55 percent of their students responded.

The extent to which our 66 percent return rate makes for a biased sample is, of course, unknown, but the differential bias by type of institution is quite small.

With a mail questionnaire, different kinds of nonresponse are difficult to ascertain. It is conventional in personal interview studies to distinguish respondents who refused to be interviewed from those who were never found at home. Such a distinction can be approximated here, but it can by no means be duplicated exactly. Of course,

TABLE 4

MAILING DATES FOR INSTITUTIONS IN ILLINOIS SENIOR SURVEY SAMPLE (Month/Day)

Institution	First Mailing	Second Mailing	Third Mailing	Postcard
Augustana	4/19	5/10	6/8	6/12
Black Hawk	4/18	5/14	6/6	6/11
Bradley	5/3	5/14	6/13	6/15
Chicago State	5/4	5/30	6/13	6/15
Geo. Williams	5/7	5/25	6/12	6/15
I.I.T.	4/18	5/10	6/6	6/11
Kishwaukee	5/8	5/17	6/8	6/12
Lake Forest	4/17	5/15	6/8	6/12
Lewis and Clark	4/18	5/14	6/8	6/12
Lincoln	4/17	5/10	6/6	6/11
Loop J. C.	5/8	5/17	6/1	6/14
Loyola	4/19	5/11	6/11	6/14
MacMurray	4/17	5/11	6/7	6/12
Monmouth	4/17	5/14	6/11	6/13
Nat'l. Coll. Ed.	4/25	5/30	6/13	6/15
Northwestern	4/17	5/16	6/12	6/15
Prairie State	5/10	5/23	6/13	--[a]
Rockford	4/18	5/10	6/5	6/11
St. Zavier	5/9	5/23	6/13	--[a]
SIU-Carbondale	4/18	5/17	6/14	6/15
SIU-Edwardsville	4/17	5/16	6/11	6/14
Springfield	4/30	5/11	6/8	6/12
U. of I.-Urbana	4/19	5/14	6/12	6/15
Western Ill. U.	4/17	5/17	6/14	6/15
Wright J. C.	4/18	5/15	6/8	6/12

[a] Conducted field work themselves.

TABLE 5

RESPONSE BY WAVE AND INSTITUTION

Institution	Sample Size	Wave 1		Wave 2		Wave 3		Cumulative Percentage			Total
		N	%	N	%	N	%	1	1 + 2	Total	N
Augustana	200	91	45	38	19	26	13	45	64	77	155
Black Hawk	200	81	40	39	19	28	14	40	60	74	148
Bradley	200	69	34	51	25	25	12	34	60	72	145
Chicago State	244	50	20	34	13	42	17	20	34	51	126
Geo. Williams	108	44	40	12	11	14	12	40	50	61	70
I.I.T.	200	82	41	44	22	18	9	41	63	72	144
Kishwaukee	144	28	19	55	38	13	9	19	57	66	96
Lake Forest	200	58	29	17	8	24	12	29	37	49	99
Lewis and Clark	182	73	40	37	20	11	6	40	60	66	121
Lincoln	199	45	22	21	10	26	13	22	33	46	92
Loop J. C.	200	44	22	67	33	23	11	22	55	67	134
Loyola	250	79	31	52	20	40	16	31	52	68	171
MacMurray	161	75	46	19	11	18	11	46	58	69	112
Monmouth	162	67	41	16	9	18	11	41	51	62	101
Nat'l. Coll. Ed.	96	41	42	6	6	19	19	42	48	68	66
Northwestern	248	90	36	37	14	22	10	36	51	60	149
Prairie State	200	66	33	40	20	25	12	33	53	65	131
Rockford	167	74	44	23	13	19	11	44	58	69	116
St. Xavier	194	57	29	49	25	23	11	29	54	66	129
SIU-Carbondale	200	60	30	36	18	26	13	30	48	61	122
SIU-Edwardsville	249	103	41	42	16	36	14	41	58	72	181
Springfield	178	38	21	57	32	20	11	21	53	64	115
U. of I.-Urbana	250	126	50	38	15	23	9	50	65	74	187
Western Ill. U.	200	73	36	50	25	22	11	36	61	72	145
Wright J. C.	197	80	40	42	21	25	12	40	61	74	147
Total	4,829	1,694	35	922	19	586	12	35	54	66	3,202

TABLE 6

DISTRIBUTION OF RESPONSE RATE FROM INSTITUTIONS

Response Rate	N	%
75% or over	1	4
70-74	7	28
65-69	9	36
60-64	5	20
55-59	0	0
50-54	1	4
45-49	2	8
Total	25	100

TABLE 7

RESPONSE RATE BY ACE SAMPLE CELL

ACE Cell[a]	Response Rate
1	64%
3	75
4	70
5	72
6	60
11	67
12	70
16	66
21	62
22	74
23	50
28, 29	68
b	71
30, 31, 32	65
33	46

[a] Cells not falling in the Illinois sample have been omitted.

[b] Not an ACE cell.

TABLE 8

RESPONSE RATE BY INSTITUTIONAL TYPE

Institutional Type	Response Rate
Two-year college	66%
Four-year college	66
University	67
Total	66%
Public two-year college	68%
Private two-year college	55
Private four-year college	66
Public university	67
Private university	68
Total	66%

all persons who failed to return answer sheets can be considered refusals, but a "refusal" rate of 34 percent is far different from the less than 10 percent usually found on personal interview surveys. Fifteen respondents wrote in to say that they refused to participate; this is only .3 percent of the total number of potential respondents. In addition, 102 questionnaires were returned by the post office as undeliverable. When efforts were made to obtain new addresses--usually by telephoning the student's school to ask for a new address--71 were discovered to be ineligible since they had dropped out or already graduated. Thus, 31 potential respondents were apparently never reached, indicating that finding valid addresses was not a major problem.

As noted above, it was necessary to oversample some schools because they could not provide lists of the students whom they expected to graduate. For that reason, a question asking when the respondent planned to graduate was included in the questionnaire. Answers to that question are given in Table 9. Of the 3,089 persons answering both the question on year of graduation and term of graduation, 2,673, or 87 percent planned to graduate in spring or summer of 1973. We have decided to take our respondents at their word. The answers of these 2,673 students will be reported in the tables summarizing results of the questionnaire in Appendix J.

Weighting. One final problem remains to be considered, that of weighting responses so that our sample of prospective graduates will be in the proper proportion to represent the distribution of all prospective graduates in the state of Illinois. As we saw earlier, the ACE sampling design provided a somewhat spotty sample of certain types of schools. In addition, the decision to draw student samples of roughly constant size could not correct for the bias of the ACE sample. The solution to these problems was quite simple. For ACE sample cells in which at least one Illinois institution was present, the total number of graduates was calculated from Froehlich and Lewandowski (1972). The number of seniors reported for four-year institutions was used as the number of graduates to be expected. The number of sophomores at junior colleges was adjusted to provide an estimate of graduates as follows. The junior colleges in our sample were asked to report the number of associate degrees they had conferred in their spring, 1973, commencements. Sample institutions were assigned to their ACE cells and the ratio of reported graduates to total number of sophomores was used to adjust the number of sophomores in each cell downwards to produce an estimate of the number of graduates.

We now had a distribution of graduates according to ACE sample cells and we could compute the proportion of graduates in each cell. The same percentage distribution was computed for our sample of Illinois schools. Then the ratio of the total percentage to the sample percentage was computed. This procedure yielded a weight for each ACE sample cell. Responses were multiplied by this figure to yield a distribution of graduates in the sample that would correspond to the actual distribution for the state.

TABLE 9

ANTICIPATED DATE OF GRADUATION
(Frequencies)

Year	Fall Semester	Spring Semester	Summer Semester	Fall Quarter	Winter Quarter	Spring Quarter	Summer Quarter	Total
1973	102	1,722	187	34	63	699	65	2,872
1974	14	42	15	5	15	27	7	125
1975	5	45	9	2	2	14	3	80
1976 or later	1	7	1	0	1	2	0	12
Total	122	1,816	212	41	81	742	75	3,089[a]

[a] 85 persons did not answer one o[illegible]h of the two questions on which this table is based.

The final step in the weighting procedure was to adjust the grand total of weighted respondents so that it would equal the original number of eligibles--2,673.

Cross-tabulations. Appendix J gives the tabulation of every item in the questionnaire by institutional type under two different classification schemes. The first simply divides the institutions by type into two- and four-year colleges and universities. The second splits each of the above types into public versus private institutions. Since there are no public four-year colleges in Illinois, none are represented in these tabulations.

It should be noted that the N's shown in the tabulations are weighted N's. The true N's are the following: two-year colleges, 781; four-year colleges, 801; and universities, 1,091. There were 643 respondents at public two-year and 138 at private two-year colleges, with 563 at public universities and 528 at private ones.

General Evaluation

Institutional cooperation. Cooperation on the part of sampled institutions was extremely good. Only one refused to participate in the study and was dropped from the original sample. Two others refused to provide lists of prospective graduates, but they carried out the field work according to our specifications. As was noted earlier, there was substantial variation in the dates when institutions could provide lists of graduates. This was not owing to uncooperativeness but to the lack of availability of the requested information.

Responses to the survey. The response rate of 66 percent is a respectable one as mail surveys go, but it would be desirable for that rate to be higher. If response rates to each of the three mailings of this survey are any indication, however, another followup would have produced only a marginally higher response rate. There are techniques for increasing response rates under these circumstances, such as sending night letters to nonrespondents. These produce somewhat better results than an additional mailing, but they are relatively costly. It seems unlikely that administration of a survey of this kind through the mails could have produced a much higher response rate than the present survey did.

Use of a separate answer sheet. The separate answer sheet was quite successful. Using separate answer sheets is clearly a feasible and relatively inexpensive way to collect data from college students. The optical scanning format seemed to be no hindrance to respondents.

The only item that presented any difficulty was Question 19, which consisted of five subquestions on major field of study and long-run career plans. Respondents were requested to fill in code numbers corresponding to specific fields. The list of fields was on the back of the cover letter, not in the questionnaire. Apparently some respondents were confused by this procedure and tried to use occupation codes from Question 33, the codes for which were printed in the questionnaire. Inclusion of the field codes in the questionnaire would almost certainly solve this problem.

Validity Study of Student-Reported Family Income[5]

The Accuracy of College Student Estimates of Parental Income

A key piece of information for planning the allocation of financial resources to higher education in Illinois is the income distribution of parents of Illinois college students. Ideally, the parents themselves would be the best source of information on this matter, but to collect such data would be rather expensive. Furthermore, a potential source of information already exists in the form of student estimates of their parental family income given to the annual survey of freshmen carried out by ACE.

These data are limited to students who were first-term freshmen in a sample of 26 Illinois colleges, universities, and junior colleges.[6] The limitation of the sample to freshmen may bias the representativeness of the ACE sample as far as all Illinois college students are concerned, but this bias is relatively unimportant because the decision to provide financial aid, for example, is ordinarily made just prior to the freshman year.

A potentially far more serious source of bias is the accuracy with which students estimate their parents' incomes. Although we may assume that students are aware of the life style of their parental families, it is not clear that they can meaningfully translate such information into dollar amounts.

As a consequence, it was decided to undertake an investigation of the accuracy with which students estimated the income of their parental family. The data source for students was the 1971 ACE survey of freshmen at the University of Illinois, Urbana-Champaign. The study was limited to University of Illinois freshmen because data for other institutions were not available. Although we know that University of Illinois students come from somewhat more affluent families than do "typical" Illinois college students, there was no reason to believe that the accuracy of their estimates would differ systematically from that of students at other institutions. The data source for parental reports of their own incomes was the records of the Department of Revenue, state of Illinois.[7]

Procedures

Once the data sources had been decided on, the major task of matching student estimates with parental reports remained. As a result of meetings and telephone conversations with personnel at the Department of Revenue, it became clear that data on parental income could only be located in microfilm files and would require a clerical look-up task of some magnitude. For that reason and because a sample of about 500 cases would be adequate for our needs, it was decided to draw a sample of that size from the data tape supplied by ACE to MARD of the Office of Instructional Resources.

---

[5] Report prepared by Joe L. Spaeth and David P. Eisenman.

[6] For a discussion of the adequacy of this sample, see the Illinois Senior Survey Report, pp. 6-21.

[7] We are grateful for the invaluable assistance given by Mr. J. Kent Patrick, Manager, Computer Systems Division, Department of Revenue.

A sample of 476 records was drawn and transmitted to the Administrative Data Processing Department (ADP) of the University. ADP provided a list of students' social security numbers plus the names and addresses of parents of those students. This list, along with punched cards containing student social security numbers and income estimates, was transmitted to the Department of Revenue.

That department agreed to cooperate with this endeavor only on the condition that the data provided by them would be completely confidential. In order to make certain that confidentiality and anonymity could be guaranteed, the cards sent by SRL to the Department of Revenue contained *only* each student's social security number and the estimate of parental income. The Department of Revenue looked up parents' adjusted gross income as reported on their 1970 state income tax returns, punched it into the students' IBM cards, and then *removed* the students' social security numbers from the cards. As a result, project staff received a data file on which the *only* two pieces of information were students' estimates of parental income and Department of Revenue figures from the parents. It was impossible to identify either parents or students in this data file.

It was not possible to match every student's record with comparable information on parents. Of the original sample of 476 University of Illinois students, ADP failed to find corresponding social security numbers for 15. In addition, cards of eight students with parents living out of state were removed. Thus, 453 cards were transmitted to the Department of Revenue. The record search at the Department of Revenue failed to find a match for another 108 cases. Thus, the final sample analyzed contains 345 cases.

Results

Comparison of measures of central tendency for student estimates and parent reports shows discrepancies on the order of $1,000. The median of the dollar amounts reported by parents is $15,999, and the mean is $18,043, indicating that the incomes of parents of University of Illinois students are skewed in a manner similar to that in the general public, although their incomes average considerably higher.

Somewhat different results are found when the figures are computed according to the income categories of the ACE question.[8] The median for parents is $16,985 and that for students is $17,180, indicating very good agreement indeed. On the other hand, the mean for parents is

---

[8] The question was: "What is your *best estimate* of the total income last year of your parental family (not your own family if you are married)? Consider annual income from all sources before taxes." The categories are shown in Table 10.

TABLE 10

PERCENTAGE DISTRIBUTION OF STUDENTS' ESTIMATES OF PARENTAL INCOME BY REPORTED ADJUSTED GROSS INCOME OF PARENTS

(N = 345)

Parents' Adjusted Gross Income	Students' Reports												Total
	Under $4,000	$4,000 -5,999	$6,000 -7,999	$8,000 -9,999	$10,000 -12,499	$12,500 -14,999	$15,000 -19,999	$20,000 -24,999	$25000 -29,999	$30,000 -34,999	$35,000 39,999	$40,000 or Over	
Under $4,000	2.6	.9	1.4	---	---	---	.9	.9	.3	---	---	.6	7.5[a]
$4,000-5,999	1.2	.6	.9	.6	---	---	.3	---	.3	---	---	---	3.[illegible]
$6,000-7,999	.3	2.0	3.2	.6	.3	1.2	---	---	---	---	.3	---	7.8
$8,000-9,999	.3	.6	1.7	1.7	1.4	---	---	---	---	---	---	---	5.8
$10,000-12,499	---	.6	.9	1.2	3.2	1.2	.6	---	.6	.6	.3	---	9.0
$12,500-14,999	---	---	.6	.9	3.5	4.1	2.0	.3	.3	---	.3	---	11.9
$15,000-19,999	---	.3	---	.6	2.6	7.5	6.1	1.7	.3	.9	.6	---	20.6
$20,000-24,999	---	---	---	---	.3	1.4	3.2	3.2	2.6	.9	.3	.3	12.2
$25,000-29,999	---	---	---	---	---	.3	.6	3.5	1.2	1.7	.3	.3	7.8
$30,000-34,999	.3	---	---	---	---	---	.3	.6	.6	2.0	.3	.9	4.9
$35,000-39,999	---	---	---	---	---	---	---	.9	.9	.9	.6	.6	3.8
$40,000 or more	---	---	---	---	---	.3	.3	---	1.7	.6	.3	1.7	4.9
Total	4.6[a]	4.9	8.7	5.5	11.3	15.9	14.2	11.0	8.7	7.5	3.2	4.3	100.0

---

[a] Row and column totals may not equal the sum of the row or column entries because of rounding.

$18,520 and that for students is $17,160. On the whole, agreement between the average of students' estimates and the average of parents' reports is quite good.

As was to be expected, a student's estimate of his parents' income is often not completely accurate. Table 10 shows the relationship of students' estimates to parents' reports in terms of the ACE question income categories, with percentages based on the total number of cases, 345. The entries on the main diagonal, indicating as close agreement as possible, are underlined. In all, 30.2 percent of the responses agree as closely as possible; in addition, 39.5 percent are one category away from a perfect match, and 14.4 percent are off by two categories. Thus, 69.7 percent of the cases are within one category of the main diagonal, and 84.1 percent are within two categories.

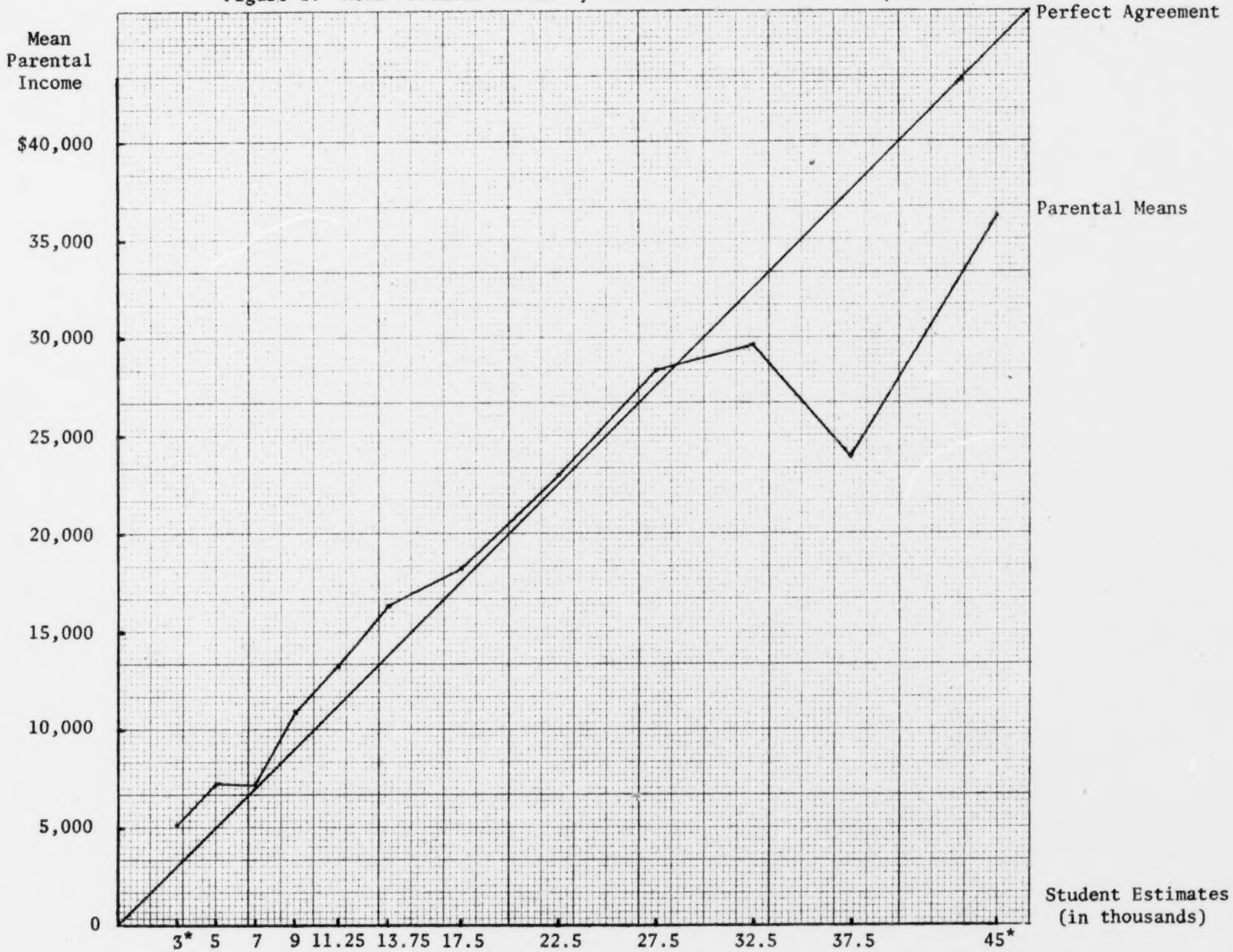
The product-moment correlation between the estimates and the reports is .66. The regression equation for predicting parental income from student estimates is P = $4,638 + .748 S. The meaning of that equation is displayed graphically in Figure 1. Note that in the range from $3,000 to $32,500, student estimates are quite accurate, although, with one exception, they tend to be somewhat low. For the two values below $7,000, student estimates are a little low, whereas students tend to be quite high at the two upper values of the scale. One reason for these discrepancies is simply the small number of cases on which the student estimates are based. There are 16 and 17 cases, respectively, in the two bottom groups and 11 and 15 in the two top ones. Furthermore, the extremes quite clearly display a well-known statistical phenomenon, regression toward the mean. This means simply that if errors are random, they will tend toward the mean of a distribution and do so most strongly at the extremes. In addition, there is a floor and ceiling effect. At the low end of the scale, errors can only be too high, just as at the high end errors can only be too low.

With this information on the detailed match of the student estimates and parental reports in hand, we may turn to the more practical problem of the quality of student estimates as indicators of the distribution of parental income. Table 11 shows, again in ACE income categories, the percentage distribution of student and parent responses. On the whole, agreement is rather good. The largest discrepancies are four percent too many students in the $12,500 to $14,999 group and 6.4 percent too few in the $15,000 to $19,999 group. All others are within three percent and most are closer than that.

The cumulative percentage distributions are even closer. Both sets of estimates agree that about one-tenth of the parents earn less than $6,000, about one-fifth less than $8,000, one-quarter less than $10,000, and one-third less than $12,500. The greatest discrepancy is for estimates in the $12,500 to $14,000 range. Half of the students estimate that their parental incomes are below $15,000, an overestimate of 5.2 percent. The remainder of the cumulative distribution is quite close.

In general, we would conclude that student estimates of parental incomes are about as good as one could expect with data of this kind. The advantages of using these estimates are obvious. They are routinely

Figure 1.--Mean Parental Income by Student Estimates of Family Income



*Arbitrary "midpoints."

TABLE 11

DISTRIBUTION OF STUDENTS' ESTIMATES OF PARENTAL INCOME AND REPORTED ADJUSTED GROSS INCOME OF PARENTS

Parents' Adjusted Gross Income	Percent			Cumulative Percent	
	Students	Parents	Difference	Student	Parents
Under $4,000	4.6	7.5	-2.9	4.6	7.5
$4,000-5,999	4.9	3.8	1.1	9.6	11.3
$6,000-7,999	8.7	7.8	0.9	18.3	19.1
$8,000-9,999	5.5	5.8	-0.3	23.8	24.9
$10,000-12,499	11.3	9.0	2.3	35.1	33.9
$12,500-14,999	15.9	11.9	4.0	51.0	45.8
$15,000-19,999	14.2	20.6	-6.4	65.2	66.4
$20,000-24,999	11.0	12.2	-1.2	76.2	78.6
$25,000-29,999	8.7	7.8	0.9	84.9	86.4
$30,000-34,999	7.5	4.9	2.6	92.5	91.3
$35,000-39,999	3.2	3.8	-0.6	95.7	95.1
$40,000 or more	4.3	4.9	-0.6	100.0	100.0

collected and may be made available at relatively little cost. Without doubt they are more accurate than information supplied by students applying for financial aid, since the ACE is a more representative sample and students are not under pressure to underestimate parental incomes. Whether the data are accurate enough to serve as a guide for policy must be left to the policy makers themselves.

Summary and Conclusions

In view of the results presented for each of the four components of the pilot study, it appears that the feasibility of building a state-wide data file and retrieval system is real and that obtaining graduating senior data could enhance the usability and meaningfulness of the entering student data. The fairly close correspondence of student-reported to actual family income indicates that the students can be relied upon to provide accurate personal and familial data. The particular limitations observed in each component of the study did not appear to have a major effect on the appropriateness and future applications of the results.

The present study has provided the framework from which a more comprehensive state-wide data bank system could be generated. In order for such a venture to be successful, however, it would need the appropriate backing and cooperation of the state agencies in education as well as all the institutions of higher education. The co-investigators in this study feel that such a comprehensive system, if it is established, should be done through the auspices of a major institution of higher education with the backing of the state of Illinois education agencies. The reason for this position is that the expertise needed as well as the appropriate focus on problems in developing and maintaining such a system presently exists in the major institutions of higher education, as evidenced by the results of this investigation. The scope of such a state-wide system would necessarily be limited to the funding available at the state level. It could begin with one entire group of high school seniors in the state who would be followed up through college graduation (and maybe beyond). In order to better enhance cooperation between the various Illinois institutions of higher education, a flexible input, output, and analysis service must be available. Such flexible services could be developed and made available by pooling the expertise presently available at the senior institutions in the state.

REFERENCES

American Council on Education. The American freshman: National norms for 1971. *ACE Research Reports*, 1971, *6*(6).

Astin, A. W., Panos, R. J., and Creager, J. A. A program of longitudinal research on the higher educational system. *ACE Research Reports*, 1966, *1*(1)

Creager, J. A. General purpose sampling in the domain of higher education. *ACE Research Reports*, 1968, *3*(2).

Davis, J. A. *Great aspirations: The graduate school plans of America's college seniors*. Chicago: Aldine, 1964.

Davis, J. A. *Undergraduate career decisions: Correlates of occupational choice*. Chicago: Aldine, 1965.

Froehlich, G. J., and Lewandowski, A. R. *Enrollment in institutions of higher education in Illinois: 1972*. Urbana-Champaign: University Bureau of Institutional Research, University of Illinois, 1972.

Spaeth, J. L., and Greeley, A. M. *Recent alumni and higher education: A survey of college graduates*. New York: McGraw-Hill, 1970.

Appendix A

Proposal to Develop a Post-Secondary Student Information System for Illinois Students

Title: Proposal to Develop a Post-Secondary Student
Information System for Illinois Students

Principal Investigator: Lawrence M. Aleamoni, Head
Measurement and Research Division
Office of Instructional Resources
307 Engineering Hall
University of Illinois
Urbana, Illinois 61801
217 : 333-3490

Transmitted by: Dr. Harold R. Snyder, Secretary
University Research Board
University of Illinois

Date: September 1, 1972

Lawrence M. Aleamoni
Lawrence M. Aleamoni, Head
Measurement and Research Division
Office of Instructional Resources

Charles J. McIntyre, Director
Office of Instructional Resources

H. R. Snyder
Harold R. Snyder, Secretary
University Research Board

Wm Griffith
William M. Griffith, Bursar
Business Office

Proposal to Develop a Post-Secondary Student Information System for Illinois Students

Background

In the fall of 1970, a small group of Illinois College Psychometrists met and discussed the need for communication among college personnel responsible for testing and evaluation programs in the State of Illinois. As a result of that original meeting, three subsequent conferences were held and the Illinois College Psychometrists Association was formed representing community colleges, junior colleges, public senior colleges and universities, and private colleges and universities.

Statement of the Problem

One of the many topics discussed at Illinois College Psychometrist Association meetings was the generation of a data tape containing non-intellective as well as intellective variables on post-secondary students in the State of Illinois. Such a data tape would then allow each institution in the state to obtain data on students planning to enroll in their school as well as allow comparisons to be made between institutions and to other relevant data. Presently, in no case is such data systematically collected.

Analysis of Current Operation

As a first step in such a cooperative effort, the 25 colleges and universities already planning to use the American Council on Education's (ACE) Student Information Form on their fall, 1971, freshmen were contacted and asked to make sure that their students coded in their social security number on the ACE Form. This would facilitate being able to match intellective data such as ACT test scores, high school rank, etc., to the ACE non-intellective data. In addition, these 25 colleges and universities were asked to release a tape copy of their students' ACE results to the Measurement and Research Division, Office of Instructional Resources at the University of Illinois in order to begin building the data tape required.

Goals and Strategy

The study will be made up of four components:

1. Extensive data will be collected on the University of Illinois freshmen as well as on all other Illinois college freshmen whose institutions agree to cooperate in the project. Individual responsible for this component of the study is Lawrence M. Aleamoni.

2. A computer-based information system will be developed allowing rapid retrieval of information on individual students, on specified groups of individuals, or as a function of specified data variables. This information may be obtained by minimally trained users of the system. (See Attachment A: "Proposal to Develop a System for Storage and Retrieval of Data on the Characteristics and Performance of Post-Secondary Students.") Individuals responsible for this component of the study are Dale C. Brandenburg and Gerald M. Gillmore.

3. An instrument will be developed and administered to Illinois college seniors, in a sample paralleling the ACE survey of freshmen four years ago, which would collect information on: (a) career plans, (b) additional education sought, if any, (c) socioeconomic background, (d) college entrance characteristics, (e) college performance, (f) how education was financed, (g) satisfaction with institutional choice, curriculum choice, etc., (h) perception of the cost of providing the education they received, (i) etc. (See Attachment B: "Illinois Senior Survey.") Individual responsible for this component of the study is Joe L. Spaeth.

4. Related studies to determine the validity of student-reported family incomes by comparing the incomes reported by freshmen on the ACE Student Information Form with incomes reported by their parents to the state on income tax returns. Individual responsible for this component of the study is David P. Eisenman.

This entire study will result in a fully operational prototype system providing information during 1972-73 and capable of being expanded into a more comprehensive information system to provide data and analyses pertinent to questions concerning a variety of aspects of the higher education experience.

Feasibility

Given the resources and personnel at the University of Illinois, Urbana-Champaign and the expressed cooperation of the Illinois College Psychometrists Association, this pilot program should yield a useful prototype system by the end of the summer of 1973.

Scope, Limitations, Constraints

The data base will include, in addition to the University of Illinois, Urbana-Champaign freshmen, freshmen from the list of 25 colleges and universities listed below who agree to cooperate during 1972-73.

Western Illinois University
Southern Illinois at Edwardsville
Bradley College
Loyola College
Blackhawk College
Olivet Nazarene College
National College of Education
Augustana College
Northwestern University of Chicago
Parks College
Saint Xaiver College
Chicago State
George Williams College
Lincoln University
McMurray College
Prairie State College
University of Illinois
Kishwaukee College
Rockford College
Rosary College
Highland Community College
Lake Forest College
Monmouth College
Springfield College
Lewis and Clark Community College

The study to determine the validity of student-reported family income will be accomplished by using the University of Illinois, Urbana-Champaign, fall, 1971, entering freshmen ACE data, as that data is now available on tape and coded by social security numbers.

The limitations and constraints on the data base are due to the fact that not all of the 25 colleges and universities may participate due to the lateness of soliciting their cooperation and the fact that many started their ACE testing in July, 1972.

The limitations and constraints with the validity study will be determined by the degree of cooperation with the state income tax department.

The scope, limitations, and constraints of the computer-based retrieval system and the Illinois Senior Survey can be found in the respective attached proposals.

Resources Required For:

A. Development of the Data Tape

1. Two 1/2 time graduate assistants to gather data, create data tapes, conduct data analyses, etc.	$8,032.00
2. Mailing costs, data tape purchasing fees from ACE, etc.	1,368.00
3. Computer magnetic tape usage	100.00
4. Computer time (operational)	500.00
Total	$10,000.00

B. Validity Studies of Student-Reported Family Income

1. One 1/2 time graduate assistant	$3,961.00
2. Computer magnetic tape usage	250.00
3. Computer time (operational)	500.00
4. Miscellaneous expenses to secure income tax data	289.00
Total	$5,000.00

C. Computer-Based Retrieval System

1.	Rental of teletype with acoustical coupler		$684.00
2.	Teletype supplies		135.00
3.	Teletype installation fee		65.00
4.	Telephone connection (installation $25.00, rental $72.00)		97.00
5.	Computer tapes		100.00
6.	Disk rental fees		200.00
7.	Books and manuals		50.00
8.	Computer time		4,200.00
9.	One .38 FTE graduate assistant		3,000.00
10.	One .12 FTE systems analyst		1,200.00
		Total	$9,731.00

D. Illinois Senior Survey

1.	Sampling		$1,000.00
	a. Salaries and wages	$ 500	
	b. Computer lists and materials	500	
2.	Data Collection		5,422.00
	a. Salaries and wages	3,177	
	b. Materials and postage	2,245	
3.	Data Reduction		3,237.00
	a. Salaries and wages	3,164	
	b. Materials and machine rental	73	
4.	Data Processing		3,684.00
	a. Salaries and wages	2,018	
	b. Computer and machine rental	1,666	
5.	Administration		11,650.00
	a. Salaries and wages	11,350	
	b. Materials	300	

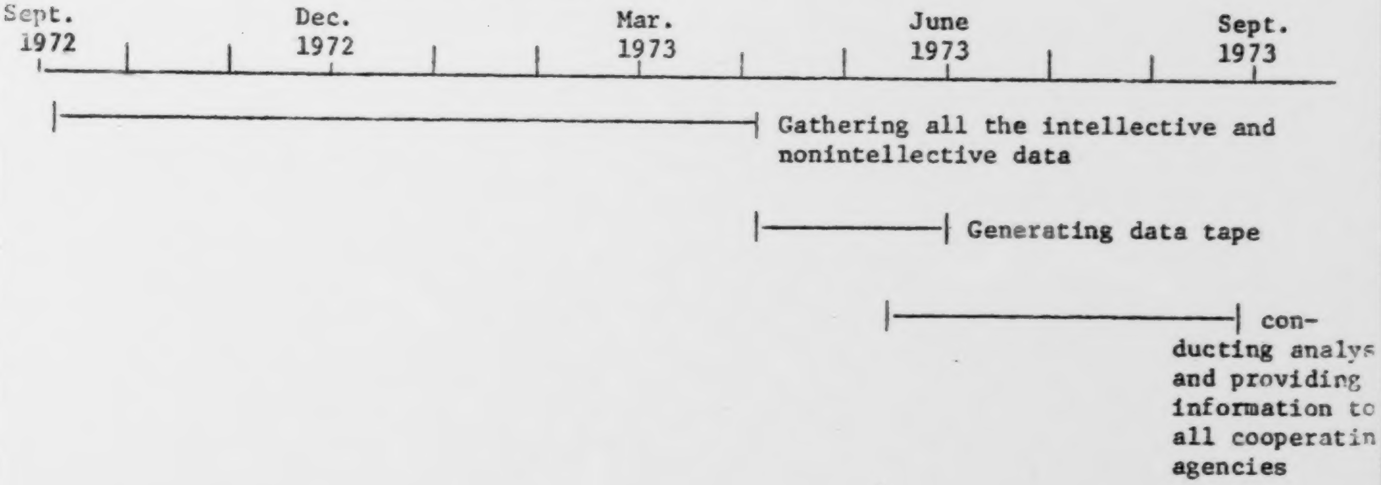
6. Archives		100.00
a. Salaries and wages	75	
b. Materials	25	
7. Contingencies 10%		2,509.00
Total		$27,602.00

E. *Summary of Resources Required*

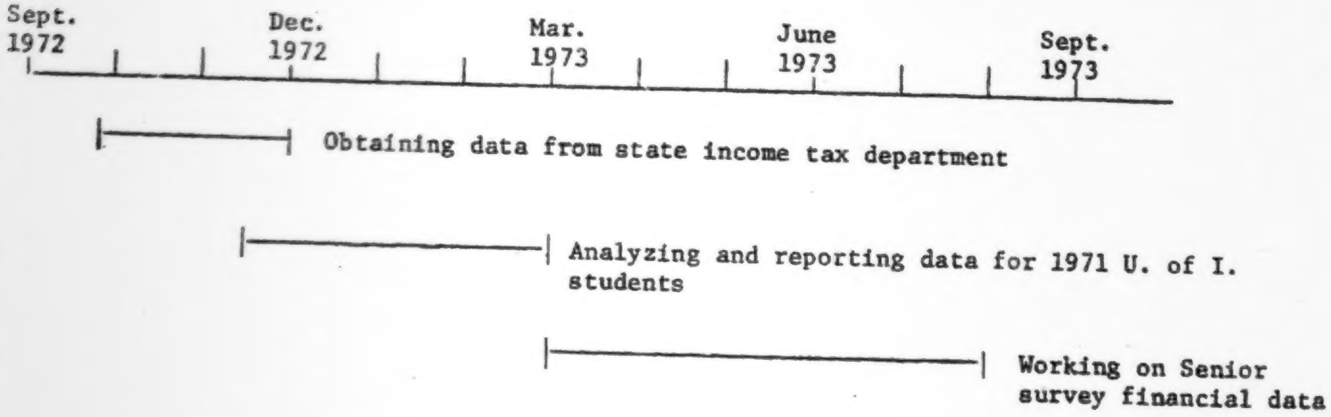
1. Fixed expenses from A, B, C, and D	$15,856.00
2. Salaries and wages from A, B, C, and D	36,477.00
3. Overhead expenses for A, B, C, and D	
a. Workmans compensation .4% of (2.)	145.00
b. Retirement 11.61% of (2.)	4,234.00
c. Health and Life Insurance 1.75% of (2.)	638.35
Total	$57,350.35
4. University of Illinois total overhead charge 10%	5,735.04
Total Amount Requested	$63,085.39

Time Tables For:

A. Development of the Data Tape



B. Validity Studies of Student-Reported Family Income



C. Computer-Based Retrieval System
(See Attachment A)

D. Illinois Senior Survey
(See Attachment B)

Products, Deliverables, and Benefits

A data tape will be constructed that includes demographic, non-intellective (attitudes, etc., from the ACE Student Information Form), and intellective (ACT test scores, high school percentile rank, etc.) information. The data will be coded by student social security number and contain sufficient other identification to allow institutional and regional comparisons.

Some analyses and comparisons will be made with this data and supplied to the cooperating institutions as well as other state agencies.

(See Attactments A and B for the Computer-Based Retrieval System and the Illinois Senior Survey.)

ATTACHMENT A

Proposal to Develop a System for Storage and Retrieval of Data on the Characteristics and Performance of Post-Secondary Students

6

Proposal to Develop a System for Storage and Retrieval of Data on the Characteristics and Performance of Post-Secondary Students

Principal Investigators

Dale C. Brandenburg and Gerald M. Gillmore

Research Assistant Professors
Measurement and Research Division
Office of Instructional Resources
University of Illinois

September, 1972

Proposal to Develop a System for Storage and Retrieval of Data on the Characteristics and Performance of Post-Secondary Students

Goals and Strategy

The data to be collected for the purpose of evaluating the Three-Year Baccalaureate Study (see Appendix A) make the design and operation of a comprehensive information storage and retrieval system imperative. Collected data may be visualized as representing four levels of information: (1) biographical or demographic data on the students; (2) intellective or academic measures including courses and grades for the student; (3) nonintellective or attitudinal measures on the students; and (4) non-student data from within the university structure related to the impact of the Three-Year Degree Program on the university environment as a whole. In essence, a comprehensive evaluation of the Three-Year Degree Program requires careful coordination and diligent use of the information collected.

The goals of the information system may be outlined as follows:

A. The system should have the capability to manipulate different types of data (character and numeric).

B. Data should be stored in a manner that is easily retrievable. This is necessary for ease of identification of individuals, categories or variables, and it is a requirement for efficient data analysis.

C. A user with minimum knowledge of the software of the system (e.g., control characters, key words) should be able to use the teletype terminal to access data files and run simple analyses.

D. The system should have the capability for collating new or unanticipated information by adding it to existing files without overtaxing the system.

E. A fully operational system should include facilities for performing most desired analyses. This would include frequency counts for given variables, cross-classification of at least four variables, correlation, regression, tests of mean differences, analysis of variance and factor analysis.

F. The resulting system will be compatible with the needs of a statewide system, the specifications for which will be determined throughout the year.

The strategy for implementing the above six goals can be outlined as follows:

Step 1. Existing data on cards will be read into permanent high-speed storage facilities by batch processing.

Step 2. Duplicate Step 1 interactively through the use of the teletype terminal.

Step 3. Preliminary programs are created for simple analyses (e.g., frequency counts) to develop access capabilities.

Step 4. A statistical package is chosen which is optimal of those available.

Step 5. The statistical package is operationalized (and converted for interactive use if necessary), and the information retrieval executive is created.

Step 6. The facility to add new information to the system is included.

Step 7. Further modifications and additions (including statistical operations) are added as needed to the system.

Step 8. A variety of experimental production runs will be made to thoroughly test the system capabilities. (Step 7 will subsequently be repeated pending results of Step 8.)

After these steps, the system should be ready to be expanded to include the implementation of a statewide information storage and retrieval system.

Scope and Limitations

The purpose of the proposed information system is to provide a pilot system for collection, storage and analyses of student and student-related characteristics data. This pilot will be expansible into an information system to provide analyses pertinent to questions concerning a variety of aspects of the higher education experience.

Two characteristics of the resulting computer-based information system make it perfectly suited for broader use on a statewide level. First, the extensive data to be collected on the sample of U. of I. students is very similar to that which is proposed to be collected on students statewide. Presently, in no case is such data systematically collected. Second, the computer-based information system which is proposed will allow rapid retrieval of information on individual students, on specified groups of individuals, or as a function of other specified variables. This information may be obtained by minimally trained users of the system.

The proposed information system will be a fully operational prototype system, serving the immediate needs of the Carnegie-funded grant while capable of being enlarged to meet the needs of a statewide system as that system is operationalized.

The development and implementation of the proposed information system is limited by the computer facilities presently available at the University of Illinois Digital Computer Laboratory. An additional limitation of the proposed system may be an unknown maximum amount of data to carry on efficient data processing and analysis. Since the proposed system is envisioned to include 300 student records during the first year of operation, this upper limit would not be apparent at this time.

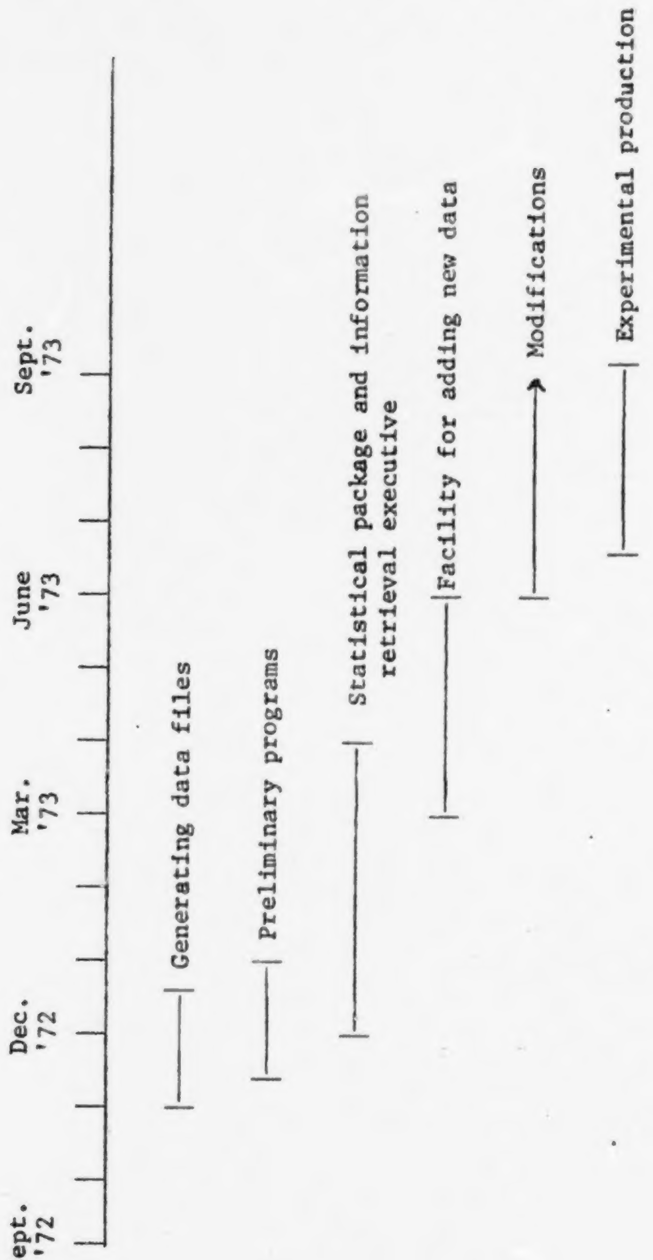
Resources Required

The following chart is a breakdown of the resources and their cost need for the development of the proposed interactive information systems. All cost figures are based on one year of operation and, in some cases, must be considered as only estimates.

Rental of teletype with accoustic coupler		$ 684.00
Teletype supplies		
Teletype installation fee		65.00
Telephone connection (installation $25.00, rental $72.00)		97.00
Computer tapes		100.00
Disk rental fees		200.00
Books and manuals		50.00
Computer time		4200.00
Step 1, 2 -- Generating data files	200	
Step 3 -- Creation of preliminary programs	450	
Step 4, 5 -- Convert statistical package and create information retrieval executive	2000	
Step 6 -- Facility for adding new data	650	
Step 7 -- Modifications and additions	450	
Step 8 -- Experimental production runs	450	
Personnel		
Graduate Assistant (38%)		3000.00
Systems Analyst (12%)		1200.00
TOTAL		$ 9731.00

Time Table

A general estimated time line for this project is shown below.



Products, Deliverables and Benefits

At the end of the specified one-year period, implementation of the entire set of goals outlined above is fully expected. That is, a functional and interactive system will be available which will have the generality to store, retrieve, and manipulate different types of data, the usability to allow minimally-trained users to selectively access files and perform simple data analyses, and the statistical sophistication to perform complex data analyses.

Concurrent with the activities above, data will be collected and specifications determined for an extensive statewide student information system. Careful and frequent communication with the individuals concerned with these other aspects of the package being proposed will be maintained throughout the year. The result of this close working relationship will be a system capable of being enlarged to meet the needs of the statewide system.

The major benefit of the proposed information system, beyond the obvious informational benefits inherent in the system capabilities, is that it will be designed and implemented in all essential aspects when usable data on a statewide basis becomes available. If the information system development were subsequent to data collection, an unnecessary delay in achieving the full value of the data would result. With the information system being functional, immediate usable information derived from data will be feasible.

Appendix A

General Description and Outline of Evaluation for the Carnegie Three-Year Degree Program

The Carnegie Three-Year Degree Program is an experimental educational program funded for the next four years by the Carnegie Corporation. It will involve approximately nine hundred students at the University of Illinois as either experimental or control subjects. The students will be enrolled primarily in Liberal Arts and Sciences. The experiment will include an assessment of practically every aspect of these students' college experiences. This assessment requires the accumulation of a large volume of data on each student.

1. Description of Groups
   a. Students entering U. of I. this fall after only three years of high school
   b. High school graduates beginning a program for a three-year degree (include new curricula), fall of 1973
   c. High school graduates who will compress program into three years by examination and other means, fall of 1973
   d. High school graduates following traditional program, fall of 1972
2. Evaluative Instruments
   a. Intellective Measures - ACT, CLEP (General), U. of I. Placement and Proficiency, H.S. Rank and GPA, College Grades
   b. Nonintellective Measures - ACE, demographic data, selected personality or attitudinal measures
   c. Other - small experiments to be conducted within overall four year grant, curriculum revision and evaluation.
3. Analyses (First Semester)
   a. Comparison and compilation of demographic characteristics, including development of cross classification schemes

b. Analysis of group characteristics on intellective measures

c. Analysis of group characteristics on non-intellective measures

ATTACHMENT B

Illinois Senior Survey

Illinois Senior Survey

Principal Investigator

Joe L. Spaeth

Research Associate Professor, Survey Research

Laboratory and Associate Professor of Sociology

University of Illinois,

Urbana

September 28, 1972

The proposed study will be an attempt to contribute to the creation of an information system pertaining to higher education in the State of Illinois. Such a system would contain information on students, faculty members, and administrators, as well as on characteristics of the institutions themselves. This proposal will be concerned with gathering data on those students who are about to leave one stage of the system: those about to receive baccalaureate degrees from four-year colleges or associate degrees from junior colleges.

The purpose of the proposed investigation is to gather data about the current status of persons about to leave the baccalaureate or associate stage of their education. Information will be collected on career plans and aspirations, including changes in these matters during the college years. Also gathered will be reactions of students to their colleges, including general satisfaction with the college, satisfaction with majors, with instruction, and with counseling. In addition, certain basic background data will be collected from students and their institutions: major, grade point average, and admissions test scores. Finally, information will be collected on the student's family background: socioeconomic status, parental aspirations for him or her, number of siblings, etc. This last set of data has been demonstrated to be among the important early determinants of career plans and actual attainments as well.

Data of this kind will not only yield estimates of the current situations of Illinois college graduates, they will also allow for comparisons between graduates of different institutions. In order for such comparisons to be validly made, the background data mentioned above will be essential.

The basic purposes of the proposed research are twofold: to demonstrate the feasibility of collecting data from a large number (three to five thousand) of graduates from a variety of Illinois institutions and to contribute to a standardized format for the collection of such information. Most Illinois colleges have a great deal of information about their students and graduates. However, most of this information is collected and stored in an ad hoc and unsystematic fashion that allows neither for comparability from one time period to another nor for comparability between institutions. The questionnaire to be designed for this project should serve as a prototype for data collection instruments to be used in the future with all Illinois college graduates.

As a means to this end, the proposed research will not only develop, test, and analyze a questionnaire to be directly administered to students, it will also investigate the kinds of information on students currently available at Illinois colleges. As was mentioned above, nearly all institutions have data on their students, but it is so unstandardized as to be nearly useless for making interinstitutional comparisons. The kinds of information available, the forms for recording it, the manner of storing it, and the officer with jurisdiction over it will be investigated. It is hoped that a proposal for a standard statistical data gathering system will be one of the products of this research.

At this early stage of operations, great economies can be realized by sampling students and institutions, even though the completely developed system would gather data from all institutions and all students. Nevertheless a relatively large scale social survey must be mounted and completed in about a year's time. In order to accomplish this goal, the concerted efforts of a variety of organizations and groups will have to be brought together.

Among these are the Survey Research Laboratory (SRL) of the University of Illinois, which will be in charge of drawing the sample, designing and fielding the questionnaire, and processing the data. In addition, the Measurement and Research Division (MARD) of the Office of Instructional Resources (OIR) at the University will score returned questionnaires and perform preliminary data "cleaning." Students in the University of Illinois Practicum in Survey Research Methods (Sociology 415 and 416) will participate in designing the questionnaire and following up nonrespondents.

Through the Illinois College Psychometrist Association (ICPA), SRL and MARD will gather lists of prospective graduates at particular institutions, from which SRL and Practicum students will draw a survey sample. In addition, the ICPA will be SRL's preliminary entree to each college for gathering information on currently available data on students. Furthermore, the psychometrists will be responsible for local supervision of the followup of non-respondents. The time schedule of the proposed study could be followed without the help of the ICPA and the students in the Sociology Practicum, but the budget for the survey would have to be much larger than the one proposed here.

The timetable for the first year will nonetheless be rather tight. Since work on the project has already begun, the timetable is approximately as follows. From September 1 to November 15, a sample of students will be drawn for the pilot study and the questionnaire will be designed and produced. From November 15 (or earlier if possible), to December 15, the pretest questionnaires will be administered and followed up, using a small sample of Fall Quarter or Semester graduates. The data from the pretest will be analyzed and used to design a questionnaire to be administered to spring graduates beginning in April, 1973. This schedule will provide time for adequate followup before the end of the academic year. Data reduction will be carried out concurrently with later stages of fieldwork so that analysis can begin by early summer.

Results of the analysis will be several reports. One of these will describe the career plans and reactions to college of the 1973 graduates and provide preliminary comparisons between institutions. Time limitations prevent a detailed, technically sophisticated analysis, however. In addition, the questionnaire itself will be evaluated as a data gathering device and suggestions made for its improvement and administration to a larger sample of students. Another report will be prepared on existing college and university sources of data on students. This will cover the kind of information collected and sources of noncomparability between institutions. This report will be prepared by the project's research assistant during the Spring. Finally, a followup survey of the 1973 graduates will be designed. This survey would collect a very limited amount of data on the students in the Fall or Spring of 1973. It can be done rather quickly and cheaply by means of a postcard survey of students' parents. The information to be gathered by this survey would yield valuable information on the realization of career plans and the actual labor market participation, continuing education of the class of 1973.

Budget

Sampling		$ 1,000
Salaries and wages	$ 500	
Computer lists and materials	500	
Data Collection		5,422
Salaries and wages	3,177	
Materials and postage	2,245	
Data Reduction		3,237
Salaries and wages	3,164	
Materials and machine rental	73	
Data Processing		3,684
Salaries and wages	2,018	
Computer and machine rental	1,666	
Administration		11,650
Salaries and wages	11,350	
Materials	300	
Archives		100
Salaries and wages	75	
Materials	25	
Contingencies 10%		2,509
Total		27,602

Supplement on Procedures

A survey of the kind proposed entails many steps and a variety of decisions. The most important of these are discussed below.

Sampling

For comparability with an excellent source of data on freshmen, the institutions included will be those in the ACE freshman surveys. Lists of prospective graduates will be solicited from each institution and a random or systematic sample drawn from each. Samples from each college will be large enough to provide accurate information on each unless the total number of graduates is too small.

The major factor affecting costs in the sampling phase is the availability of lists of potential graduates. The harder it is to obtain such lists, the more costly sampling will be. Sampling decisions will be made in consultation with Professor Seymour Sudman of SRL, a nationally recognized expert in survey sampling.

Questionnaire Construction

The questionnaire will include information on the following aspects of the students' plans and experiences.

1) Career and educational plans -- the career occupation desired and expected, the amount of further education desired and expected

2) Satisfaction with the institution, the curriculum and the major as preparation for later life

3) College academic and extracurricular attainments[1]

---

[1] An attempt will be made to obtain information on college performance from college records.

4) College entrance characteristics -- type of high school attended, high school grades or class standing, career plans held during the freshman year [2]

5) How the student's education was financed -- estimated costs and sources of funds: ISSC, parents, self, other sources

6) Perception of the actual cost to the institution of the person's education [3]

7) Other topics related to student plans and experiences[3]

The questionnaire will be based in the first instance on the ACE freshman questionnaire. Items from that source will be adopted verbatim where applicable. Other surveys of college students will also be reviewed for appropriate items, which will also be used verbatim. The Sociology Practicum in Survey Research Methods will develop new items in conjunction with personnel of the educational institutions, of the Board of Higher Education, and of the Budget Bureau.

Other data sources

An attempt will be made to collect data on students from college records. Included will be college grades, class standing, high school grades, performance on college entrance examinations, and performance on the Graduate Record Examination.

Pretesting

The questionnaire will be developed in the fall of 1972 and pretested in the weeks between Thanksgiving and Christmas vacation. The pretest population will be all students expected to graduate at the end of the autumn quarter or the first semester. As a result of the pretest, questions will be modified for use in the survey of spring graduates.[1] A sample size of 200 will be ample for the pretest.

---

[2] In later years, these characteristics will be available from the ACE freshman questionnaire and will need to be ascertained only occasionally in order to learn the amount of recall bias in asking such questions retrospectively.

[3] These items are of the kind that might be asked occasionally instead of every year. Such a procedure would leave space for items of current interest in the questionnaire for any given year.

Data collection

The major problem in collecting self administered questionnaire data is the adequacy of the return rate. Under normal circumstances, an investigator can expect to receive usable questionnaires from about 40 to 50 percent of his original sample on a first mailing. This response rate is totally inadequate. In surveys of this kind, the biasses introduced by low response rates are well known. Many of them can be summarized by saying that the most "successful" students are most likely to return questionnaires. In particular, brighter students, those with higher grades, and those aspiring to higher status occupations will be more likely to respond than those less well off in these regards. To correct for this bias, it is necessary to use concerted followup procedures in order to produce an acceptable response rate.

A reminder in the form of another copy of the questionnaire will add to first-wave response, but still further efforts will be required; and the more "striking" the reminder is, the more effective it will be. Such procedures can be quite costly. One of our efforts in the first year will be to attempt to devise inexpensive ways to produce an acceptable response rate. One possibility is to enlist the cooperation of the

---

[1] In later years, a survey of midyear graduates will be a necessary part of IPSIS. Such surveys will contain items identical to those in the survey of spring graduates. Conducting a pretest is, however, incompatible with gathering substantive information on a population because the test of a new item implies modification of it for later use. Comparisons may still be made between items adopted from other sources.

Illinois College Psychometrist Association. There is at least one member of this organization on each campus in the state. We propose to have this person hire local students to follow up non-respondents in person. In addition, non-respondents will be followed up by telephone from Urbana and Chicago by SRL interviewers and students in the Sociology Practicum. The return rates to each approach will be compared, as will the costs. Finally, if nonresponse is still too great, SRL telephone interviewers will collect basic data in short telephone interviews.[1]

In a further effort to keep costs to a minimum, an unusual method of questionnaire administration will be tested. The respondent will be provided with a machine-scorable answer sheet separated from the questionnaire. Thus, he or she will return only the answer sheet, bringing about a considerable savings in postage costs. This method has not been extensively used, and one of our aims will be to discover how effective it is.

Data reduction

Data reduction is the process whereby raw data are translated into a form amenable to statistical analysis by computer. The process involves transferring responses on a questionnaire to a machine-readable format. Use of answer sheets should speed up the process. These will be machine scored at the University of Illinois' Measurement and Research Division (MARD) of the Office of Instructional Resources, thus keeping keypunching costs to a minimum. In addition, MARD has a program for "cleaning" data—for reconciling logical inconsistencies in responses. MARD's program checks for "wild punches," e.g., a "3" for sex when male is "1" and female is "2". In addition, "contingencies" will need to be reconciled. A person who said that he was male in response to one question and pregnant in response to another would represent a contingency that needed to be corrected. SRL has an excellent program developed by the National Opinion Research Center that will handle problems of this kind.

---

[1] "Adequate" response has been left intentionally undefined. Eighty-five percent is a good rate of return to a personal interview or telephone survey. That level of response can be approached in self-administered surveys if followups are carried out diligently and persistently.

Data Processing and analysis

The statistical analyses to be carried out will reflect primarily the needs of state officials interested in higher education. Such analysis will be done at SRL using standard data processing packages available at the University of Illinois.

Appendix B

American Council on Education's 1972 Student Information Form

1972 STUDENT INFORMATION FORM

402547

YOUR NAME (Please print) First Middle or Maiden Last

HOME STREET ADDRESS (print)

CITY (print) **STATE** Zip Code

When were you born? ☐☐ Month (01-12) ☐☐ Day (01-31) ☐☐ Year

DO NOT MARK	MARK ONLY IF DIRECTED	GRP.
⓪⓪⓪⓪⓪○	⓪⓪⓪⓪⓪⓪⓪⓪⓪	⓪⓪
①①①①①○	①①①①①①①①①	①①
②②②②②○	②②②②②②②②②	②②
③③③③③○	③③③③③③③③③	③③
④④④④④○	④④④④④④④④④	④④
⑤⑤⑤⑤⑤①	⑤⑤⑤⑤⑤⑤⑤⑤⑤	⑤⑤
⑥⑥⑥⑥⑥②	⑥⑥⑥⑥⑥⑥⑥⑥⑥	⑥⑥
⑦⑦⑦⑦⑦③	⑦⑦⑦⑦⑦⑦⑦⑦⑦	⑦⑦
⑧⑧⑧⑧⑧④	⑧⑧⑧⑧⑧⑧⑧⑧⑧	⑧⑧
⑨⑨⑨⑨⑨Ⓐ	⑨⑨⑨⑨⑨⑨⑨⑨⑨	⑨⑨

Dear Student:

The information in this report is being collected as part of a continuing study of higher education by the American Council on Education. The Council, which is a non-governmental association of colleges and educational organizations, encourages and solicits your cooperation in this research in order to achieve a better understanding of how students are affected by their college experiences. Detailed information on the goals and design of this research program are furnished in research reports available from the Council. Identifying information has b[illegible]quested in order to make subsequent mail follow-up studies possible. Your response will be held in the strictest professional confidence.

Sincerely yours,

Roger W. Heyns

Roger W. Heyns, President

DIRECTIONS: Your responses will be read by an optical mark reader. Your careful observance of these few simple rules will be most appreciated.

Use only black lead pencil (No. 2½ or less).
Make heavy black marks that fill the circle.
Erase cleanly any answer you wish to change.
Make no stray markings of any kind.

EXAMPLE: Yes No

Will marks made with ball pen or fountain pen be properly read? . . . ○ . . ●

1. Your Sex:

- Male . . . . . ○
- Female . . . ○

2. Are you a U.S. Citizen? (Mark one)

- Yes, native born . . ○
- Yes, naturalized . . ○
- No . . . . ○

3. How old will you be on December 31 of this year? (Mark one)

- 16 or younger . ○
- 17 . . . . ○
- 18 . . . . ○
- 19 . . . . ○
- 20 . . . . ○
- 21 . . . . ○
- 22-25 . . . . . ○
- 26 or older . ○

4. What is the highest academic degree that you intend to obtain? (Mark one in each column)

	Highest Planned	Highest Planned at this college
None	○	○
Associate (A.A. or equivalent)	○	○
Bachelor's degree (B.A.,B.S.,etc.)	○	○
Master's degree (M.A.,M.S.,etc.)	○	○
Ph.D. or Ed.D.	○	○
M.D.,D.O.,D.D.S., or D.V.M.	○	○
LL.B. or J.D. (Law)	○	○
B.D. or M.Div. (Divinity)	○	○
Other	○	○

5. How many miles is this college from your parents' home? (Mark one)

- 5 or less . . . . ○
- 6-10 . . . . ○
- 11-50 . . . . . . ○
- 51-100 . . . . . ○
- 101-500 . . . . ○
- More than 500 ○

6. To how many colleges other than this one did you actually apply for admission? From how many did you receive acceptances? (Mark one in each column)

	Applications	Acceptances
No other	○	○
One	○	○
Two	○	○
Three	○	○
Four	○	○
Five	○	○
Six or more	○	○

7. Are you enrolled as: (Mark one)

- a regular, full-time student? . . . . . . ○
- a part-time student? . . . . ○
- a special or conditional student? . . ○

8. Prior to this term, have you ever taken courses for credit at this institution?

Yes ○ No ○

9. Since leaving high school, have you ever taken courses for credit at any other institution? (Mark all that apply)

- No . . . . ○
- Yes, at a junior or community college . . . ○
- Yes, at a four-year college or university . . ○
- Yes, at some other postsecondary school (e.g. technical, vocational, business) . . ○

10. Did you graduate from secondary school in the class of 1972?

Yes ○ No ○

11. From what kind of secondary school did you graduate? (Mark one)

- Public . . . . ○
- Private (denominational) . . . . ○
- Private (nondenominational) . . . . . . ○
- Other . . . . ○

12. What was your average grade in secondary school? (Mark one)

- A or A+ . . . ○
- A- . . . . ○
- B+ . . . . ○
- B . . . . ○
- B- . . ○
- C+ . . ○
- C . . . ○
- D . . . ○

13. Where did you rank academically in your high school graduating class? (Mark one)

- Top Quarter . . . ○
- 2nd Quarter . . ○
- 3rd Quarter . . . ○
- Lowest Quarter ○

14. How many students were in your high school graduating class? (Mark one)

- 25 or less . . ○
- 26-50 . . . . ○
- 51-100 . . . . ○
- 101-249 . . . ○
- 250-500 . . . ○
- Over 500 . . ○

15. What percentage of students in your high school graduating class went on to college? (Mark one)

- Under 10 percent . ○
- 10-24 percent . . . ○
- 25-49 percent . . . . ○
- 50-74 percent . . ○
- 75 percent or more . . . . . ○

16. Where did you live for most of the time while you were growing up? (Mark one)

- On a farm . . . . ○
- In a small town . . . . ○
- In a moderate-sized town or city . . . . ○
- In a suburb of a large city . . . . ○
- In a large city . . . . ○

17. Which applies to you? (Mark one)

Presently married ○
Presently engaged ○
Have been seeing one person exclusively ○
Have been dating, but no one steadily ○
Have not been dating in recent months ○

18. Do you have any concern about your ability to finance your college education? (Mark one)

None (I am confident that I will have sufficient funds) ○
Some concern (but I will probably have enough funds) ○
Major concern (not sure I will have enough funds to complete college) ○

19. For each item below, indicate its importance as a source for financing your education. (Mark one answer for each item)

	Major Source	Minor Source	Not a Source
Part-time or summer work	○	○	○
Savings from full-time employment	○	○	○
Spouse's employment	○	○	○
Parental or family aid or gifts	○	○	○
Federal benefits from parent's military service	○	○	○
G.I. benefits from your military service	○	○	○
Scholarships and grants	○	○	○
NDEA loans, federally insured loans, or college loans	○	○	○
Other repayable loans	○	○	○

20. What is your best estimate of the total income last year of your parents (not your own family, if you are married)? **Consider annual income from all sources before taxes.** (Mark one)

Less than $3,000	○	$15,000-$19,999	○
$3,000-$3,999	○	$20,000-$24,999	○
$4,000-$5,999	○	$25,000-$29,999	○
$6,000-$7,999	○	$30,000-$34,999	○
$8,000-$9,999	○	$35,000-$39,999	○
$10,000-$12,499	○	$40,000-$49,999	○
$12,500-$14,999	○	$50,000 or more	○

21. What is the highest level of formal education obtained by your parents and (if married) by your spouse? (Mark one in each column)

	Father	Mother	Spouse
Grammar school or less	○	○	○
Some high school	○	○	○
High school graduate	○	○	○
Some college	○	○	○
College degree	○	○	○
Some graduate school	○	○	○
Graduate degree	○	○	○
(Not married)			○

22. Mark one in each row:

	Jewish	Protestant	Roman Catholic	Other	None
Religion in which mother was reared	○	○	○	○	○
Religion in which father was reared	○	○	○	○	○
Religion in which you were reared	○	○	○	○	○
Your present religious preference	○	○	○	○	○

23. Which of the following is currently true about your parents? (Mark one)

Both alive and married to each other ○
Both alive and divorced or separated ○
One or both parents deceased ○

24. Are your parents employed at present? (Mark one in each column)

	Father	Mother
Yes, full-time	○	○
Yes, part-time	○	○
No, but was in the past	○	○
No, and never was	○	○

25. How would you characterize your political views? (Mark one)

Far left ○
Liberal ○
Middle-of-the-road ○
Conservative ○
Far right ○

26. Below is a list of statements on a wide range of topics that may or may not apply to you. Mark all items to which you are able to answer "yes".

	Yes
I have been employed for at least a year while not in school	○
I have won a prize or award in an art competition	○
I have had poems, stories, essays, or articles published	○
During the past year I:	
played a musical instrument	○
attended religious services	○
participated in an organized demonstration	○
visited an art gallery or museum	○
smoked cigarettes regularly	○
drank beer	○
had vocational counseling	○
worked in a local, state, or national political campaign	○
While in high school I:	
was a member of a scholastic honor society	○
won a varsity letter in basketball or football	○
won a varsity letter in another sport	○
edited the high school paper, yearbook, or literary magazine	○

27. What is: (Mark one in each column)

Ⓨ **Your probable future** occupation?
Ⓕ **Your father's current** occupation?
Ⓜ **Your mother's current** occupation?
Ⓢ **Your spouse's current** occupation, **if married?**

NOTE: If your father or mother is deceased or retired, please indicate his or her last occupation

Accountant or actuary	Ⓨ	Ⓕ	Ⓜ	Ⓢ
Actor or entertainer	Ⓨ	Ⓕ	Ⓜ	Ⓢ
Architect	Ⓨ	Ⓕ	Ⓜ	Ⓢ
Artist	Ⓨ	Ⓕ	Ⓜ	Ⓢ
Business (clerical)	Ⓨ	Ⓕ	Ⓜ	Ⓢ
Business executive (manager, administrator)	Ⓨ	Ⓕ	Ⓜ	Ⓢ
Business owner or proprietor	Ⓨ	Ⓕ	Ⓜ	Ⓢ
Business salesman or buyer	Ⓨ	Ⓕ	Ⓜ	Ⓢ
Clergy (rabbi, minister, priest)	Ⓨ	Ⓕ	Ⓜ	Ⓢ
Clergy (other religious)	Ⓨ	Ⓕ	Ⓜ	Ⓢ
Clinical psychologist	Ⓨ	Ⓕ	Ⓜ	Ⓢ
College teacher	Ⓨ	Ⓕ	Ⓜ	Ⓢ
Computer programmer	Ⓨ	Ⓕ	Ⓜ	Ⓢ
Conservationist or forester	Ⓨ	Ⓕ	Ⓜ	Ⓢ
Dentist (including orthodontist)	Ⓨ	Ⓕ	Ⓜ	Ⓢ
Dietitian or home economist	Ⓨ	Ⓕ	Ⓜ	Ⓢ
Engineer	Ⓨ	Ⓕ	Ⓜ	Ⓢ
Farmer or rancher	Ⓨ	Ⓕ	Ⓜ	Ⓢ
Foreign service worker (including diplomat)	Ⓨ	Ⓕ	Ⓜ	Ⓢ
Homemaker (full-time)	Ⓨ	Ⓕ	Ⓜ	Ⓢ
Interior decorator (including designer)	Ⓨ	Ⓕ	Ⓜ	Ⓢ
Interpreter (translator)	Ⓨ	Ⓕ	Ⓜ	Ⓢ
Lab technician or hygienist	Ⓨ	Ⓕ	Ⓜ	Ⓢ
Law enforcement officer	Ⓨ	Ⓕ	Ⓜ	Ⓢ
Lawyer (attorney)	Ⓨ	Ⓕ	Ⓜ	Ⓢ
Military service (career)	Ⓨ	Ⓕ	Ⓜ	Ⓢ
Musician (performer, composer)	Ⓨ	Ⓕ	Ⓜ	Ⓢ
Nurse	Ⓨ	Ⓕ	Ⓜ	Ⓢ
Optometrist	Ⓨ	Ⓕ	Ⓜ	Ⓢ
Pharmacist	Ⓨ	Ⓕ	Ⓜ	Ⓢ
Physician	Ⓨ	Ⓕ	Ⓜ	Ⓢ
School counselor	Ⓨ	Ⓕ	Ⓜ	Ⓢ
School principal / superintendent	Ⓨ	Ⓕ	Ⓜ	Ⓢ
Scientific researcher	Ⓨ	Ⓕ	Ⓜ	Ⓢ
Social worker	Ⓨ	Ⓕ	Ⓜ	Ⓢ
Statistician	Ⓨ	Ⓕ	Ⓜ	Ⓢ
Therapist (physical, occupational, speech)	Ⓨ	Ⓕ	Ⓜ	Ⓢ
Teacher (elementary)	Ⓨ	Ⓕ	Ⓜ	Ⓢ
Teacher (secondary)	Ⓨ	Ⓕ	Ⓜ	Ⓢ
Veterinarian	Ⓨ	Ⓕ	Ⓜ	Ⓢ
Writer or journalist	Ⓨ	Ⓕ	Ⓜ	Ⓢ
Skilled trades	Ⓨ	Ⓕ	Ⓜ	Ⓢ
Other	Ⓨ			
Undecided	Ⓨ			
Laborer (unskilled)		Ⓕ	Ⓜ	Ⓢ
Semi-skilled worker		Ⓕ	Ⓜ	Ⓢ
Other occupation		Ⓕ	Ⓜ	Ⓢ
Unemployed		Ⓕ	Ⓜ	Ⓢ
Student				Ⓢ

Are you a veteran? (Mark one)

No	○
Yes, I served in Southeast Asia	○
Yes, but I did not serve in Southeast Asia	○

Are you: (Mark all that apply.)

White/Caucasian	○
Black/Negro/Afro-American	○
American Indian	○
Oriental	○
Mexican-American/Chicano	○
Puerto Rican-American	○
Other	○

The following is a list of several ethnic groups. The list is not intended to be all-inclusive; if no response seems appropriate, mark "none of above apply."

(Mark one in each column)	Father's Ethnic Group	Mother's Ethnic Group	Your Ethnic Identity (if any)
Canadian	○	○	○
English/Scotch/Welsh	○	○	○
Greek	○	○	○
Italian	○	○	○
Irish	○	○	○
Latin American/Spanish	○	○	○
Polish	○	○	○
Russian or other Slavic	○	○	○
Scandinavian	○	○	○
None of above apply	○	○	○

31. Mark one in each row:
Agree strongly
Agree somewhat
Disagree somewhat
Disagree strongly

	Agree strongly	Agree somewhat	Disagree somewhat	Disagree strongly
The Federal government is not doing enough to control environmental pollution	○	○	○	○
The Federal government is not doing enough to protect the consumer from faulty goods and services	○	○	○	○
The Federal government is not doing enough to promote school desegregation	○	○	○	○
There is too much concern in the courts for the rights of criminals	○	○	○	○
As long as they work hard, people should be paid equally regardless of ability or quality of work	○	○	○	○
The activities of married women are best confined to the home and family	○	○	○	○
Wealthy people should pay a larger share of taxes than they do now	○	○	○	○
Marijuana should be legalized	○	○	○	○
Parents should be discouraged from having large families	○	○	○	○
Women should receive the same salary and opportunities for advancement as men in comparable positions	○	○	○	○
Realistically, an individual can do little to bring about changes in our society	○	○	○	○

32. Mark one in each row:
Agree strongly
Agree somewhat
Disagree somewhat
Disagree strongly

	Agree strongly	Agree somewhat	Disagree somewhat	Disagree strongly
College officials have the right to regulate student behavior off campus	○	○	○	○
The chief benefit of a college education is that it increases one's earning power	○	○	○	○
Faculty promotions should be based in part on student evaluations	○	○	○	○
College grades should be abolished	○	○	○	○
Colleges would be improved if organized sports were de-emphasized	○	○	○	○
Student publications should be cleared by college officials	○	○	○	○
College officials have the right to ban persons with extreme views from speaking on campus	○	○	○	○
Students from disadvantaged social backgrounds should be given preferential treatment in college admissions	○	○	○	○
Most college officials have been too lax in dealing with student protests on campus	○	○	○	○
Open admissions (admitting anyone who applies) should be adopted by all publicly-supported colleges	○	○	○	○
Even if it employs open admissions, a college should use the same performance standards in awarding degrees to all students	○	○	○	○

33. What is your best guess as to the chances that you will: (Mark one for each item)

	Very Good Chance	Some Chance	Very Little Chance	No Chance
Change major field?	○	○	○	○
Change career choice?	○	○	○	○
Fail one or more courses?	○	○	○	○
Graduate with honors?	○	○	○	○
Be elected to a student office?	○	○	○	○
Join a social fraternity, sorority, or club?	○	○	○	○
Be elected to an academic honor society?	○	○	○	○
Make at least a "B" average?	○	○	○	○
Need extra time to complete your degree requirements?	○	○	○	○
Have to work at an outside job during college?	○	○	○	○
Seek vocational counseling?	○	○	○	○
Seek individual counseling on personal problems?	○	○	○	○
Enroll in honors courses?	○	○	○	○
Get a bachelor's degree (B.A., B.S., etc.)?	○	○	○	○
Drop out of this college temporarily (exclude transferring)?	○	○	○	○
Drop out permanently (exclude transferring)?	○	○	○	○
Transfer to another college before graduating?	○	○	○	○
Enter active duty in the armed services before completing college?	○	○	○	○
Be satisfied with your college?	○	○	○	○
Be more successful after graduation than most students attending this college?	○	○	○	○
Find a job after graduation in the field for which you were trained?	○	○	○	○
Get married while in college? (skip if married)	○	○	○	○
Get married within a year after college? (skip if married)	○	○	○	○
Adopt a child some day?	○	○	○	○

34. Do you feel that you will need any special help in any of the following subjects? (Mark all that apply.)

English ○
Reading ○
Mathematics ○
Social Studies ○
Science ○
Foreign Language ○

35. Below is a list of 68 different undergraduate major fields grouped into general categories. Mark only one circle to indicate your probable field of study.

ARTS AND HUMANITIES
Architecture ○
English (literature) ○
Fine arts ○
History ○
Journalism (writing) ○
Language (modern) ○
Language (other) ○
Music ○
Philosophy ○
Speech and Drama ○
Theology ○
Other Arts and Humanities ○

BIOLOGICAL SCIENCE
Biology (general) ○
Biochemistry ○
Biophysics ○
Botany ○
Zoology ○
Other Biological Science ○

BUSINESS
Accounting ○
Business Admin. ○
Electronic Data Processing ○
Secretarial Studies ○
Other Business ○

ENGINEERING
Aeronautical ○
Civil ○
Chemical ○
Electrical ○
Industrial ○
Mechanical ○
Other Engineering ○

PHYSICAL SCIENCE
Chemistry ○
Earth Science ○
Mathematics ○
Physics ○
Statistics ○
Other Physical Science ○

PROFESSIONAL
Health Technology (medical, dental, laboratory) ○
Nursing ○
Pharmacy ○
Predentistry ○
Prelaw ○
Premedical ○
Preveterinary ○
Therapy (occupat., physical, speech) ○
Other Profession ○

SOCIAL SCIENCE
Anthropology ○
Economics ○
Education ○
History ○
Political Science (government, int. relations) ○
Psychology ○
Social Work ○
Sociology ○
Other Social Science ○

OTHER FIELDS
Agriculture ○
Communications (radio, T.V., etc.) ○
Computer Science ○
Environmental Science ○
Electronics (technology) ○
Forestry ○
Home Economics ○
Industrial Arts ○
Library Science ○
Military Science ○
Physical Education and Recreation ○
Other (technical) ○
Other (nontechnical) ○
Undecided ○

36. Indicate the importance to you personally of each of the following: (Mark one for each item)

	Essential	Very Important	Somewhat Important	Not Important
Becoming accomplished in one of the performing arts (acting, dancing, etc.)	Ⓔ	Ⓥ	Ⓢ	Ⓝ
Becoming an authority in my field	Ⓔ	Ⓥ	Ⓢ	Ⓝ
Obtaining recognition from my colleagues for contributions in my special field	Ⓔ	Ⓥ	Ⓢ	Ⓝ
Influencing the political structure	Ⓔ	Ⓥ	Ⓢ	Ⓝ
Influencing social values	Ⓔ	Ⓥ	Ⓢ	Ⓝ
Raising a family	Ⓔ	Ⓥ	Ⓢ	Ⓝ
Having an active social life	Ⓔ	Ⓥ	Ⓢ	Ⓝ
Having friends with different backgrounds and interests from mine	Ⓔ	Ⓥ	Ⓢ	Ⓝ
Becoming an expert in finance and commerce	Ⓔ	Ⓥ	Ⓢ	Ⓝ
Having administrative responsibility for the work of others	Ⓔ	Ⓥ	Ⓢ	Ⓝ
Being very well-off financially	Ⓔ	Ⓥ	Ⓢ	Ⓝ
Helping others who are in difficulty	Ⓔ	Ⓥ	Ⓢ	Ⓝ
Participating in an organization like the Peace Corps or Vista	Ⓔ	Ⓥ	Ⓢ	Ⓝ
Becoming a community leader	Ⓔ	Ⓥ	Ⓢ	Ⓝ
Making a theoretical contribution to science	Ⓔ	Ⓥ	Ⓢ	Ⓝ
Writing original works (poems, novels, short stories, etc.)	Ⓔ	Ⓥ	Ⓢ	Ⓝ
Never being obligated to people	Ⓔ	Ⓥ	Ⓢ	Ⓝ
Creating artistic work (painting, sculpture, decorating, etc.)	Ⓔ	Ⓥ	Ⓢ	Ⓝ
Keeping up to date with political affairs	Ⓔ	Ⓥ	Ⓢ	Ⓝ
Being successful in a business of my own	Ⓔ	Ⓥ	Ⓢ	Ⓝ
Becoming involved in programs to clean up the environment	Ⓔ	Ⓥ	Ⓢ	Ⓝ
Developing a meaningful philosophy of life	Ⓔ	Ⓥ	Ⓢ	Ⓝ
Participating in a community action program	Ⓔ	Ⓥ	Ⓢ	Ⓝ
Getting married within the next five years (skip if married)	Ⓔ	Ⓥ	Ⓢ	Ⓝ

37. Below are some of the reasons that might have influenced your decision to attend this particular college. How important was each reason in deciding to come here? (Mark one answer for each statement)

	Very Important	Somewhat Important	Not Important
My relatives wanted me to come here	Ⓥ	Ⓢ	Ⓝ
I wanted to live away from home	Ⓥ	Ⓢ	Ⓝ
This college has a very good academic reputation	Ⓥ	Ⓢ	Ⓝ
This college has a good athletic program	Ⓥ	Ⓢ	Ⓝ
I was offered financial assistance	Ⓥ	Ⓢ	Ⓝ
Most of my friends are going to this college	Ⓥ	Ⓢ	Ⓝ
Because of low tuition	Ⓥ	Ⓢ	Ⓝ
Someone who had been here before advised me to go	Ⓥ	Ⓢ	Ⓝ
Because of the special educational programs offered	Ⓥ	Ⓢ	Ⓝ
I was not accepted anywhere else	Ⓥ	Ⓢ	Ⓝ
My guidance counselor advised me to go	Ⓥ	Ⓢ	Ⓝ
I wanted to live at home	Ⓥ	Ⓢ	Ⓝ

DIRECTIONS:

The remaining circles are provided for items specifically designed by your college, rather than by the American Council on Education. If your college has chosen to use the circles, observe carefully the supplemental directions given you.

38. Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ
39. Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ
40. Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ
41. Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ
42. Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ
43. Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ
44. Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ
45. Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ
46. Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ
47. Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ

Prepared by Office of Research, American Council on Education, One Dupont Circle N.W., Washington, D.C. 20036. Processed by Intran Corporation, 4555 W. 77th St., Minneapolis, Minn. 55435

Appendix C

1972 ACE Individual Student Information Form Tape Format

1972 ACE Individual Student Information Form Tape Format

1	College's Subject I.D.	1	50	Income	50
2		2	51		51
3		3	52	Father's education	52
4		4	53	Mother's education	53
5		5	54	Spouse's education	54
6		6	55	Religion reared - mother	55
7		7	56	Religion reared - father	56
8		8	57	Religion reared - you	57
9		9	58	Present religious preference	58
10	College I.D.	10	59	Parental status	59
11		11	60	Employment - father	60
12		12	61	Employment - mother	61
13		13	62	Political char.	62
14		14	63	Employed a yr. while not in sch.	63
15		15	64	Won a prize in art competition	64
16	College's Special Grid	16	65	Had poems, stories published	65
17		17	66	Played a mus. instrument	66
18	Sex	18	67	Attended religious services	67
19	Citizenship	19	68	Part. in organized demonstration	68
20	Age	20	69	Visited an art gallery or museum	69
21	Highest degree planned	21	70	Smoked cigarettes regularly	70
22	Highest degree planned at this col.	22	71	Drank beer	71
23	Miles from home	23	72	Had vocational counseling	72
24	Applications	24	73	Worked in political campaign	73
25	Acceptances	25	74	Member of scholastic honor soc.	74
26	Status	26	75	Won varsity letter/basket. or foot.	75
27	Prior attendance	27	76	Won varsity letter/another sport	76
28	No	28	77	Edited H. S. paper, yearbook, etc.	77
29	Yes, at a jr. or comm. col.	29	78	Probable occupation	78
30	Yes, at a 4-yr. col. or univ.	30	79		79
31	Yes, at other postsecondary school	31	80	Card Indicator (1)	80
32	Graduate 1972	32	81	College's Subject I.D.	81
33	Secondary school	33	82		82
34	HS Grades	34	83		83
35	HS Rank	35	84		84
36	Graduating class	36	85		85
37	% to college	37	86		86
38	Where lived while growing up	38	87		87
39	Marital Status	39	88		88
40	Financial concern	40	89		89
41	Part-time or summer work	41	90	College I.D.	90
42	Savings from full-time employ.	42	91		91
43	Spouse's employment	43	92		92
44	Parental or family aid or gifts	44	93		93
45	Fed. benefits/parents mil. service	45	94		94
46	G. I. benefits from your mil. ser.	46	95		95
47	Scholarships and grants	47	96	College's Special Grid	96
48	NDEA loans, insured or col. loans	48	97		97
49	Other repayable loans	49	98	Father's occupation	98
			99		99

100	Mother's occupation	100
101		101
102	Spouse's occupation	102
103		103
104	Veteran status	104
105	White/Caucasian	105
106	Black/Negro/Afro-American	106
107	American Indian	107
108	Oriental	108
109	Mexican-American/Chicano	109
110	Puerto Rican-American	110
111	Other	111
112	Father's ethnic group	112
113		113
114	Mother's ethnic group	114
115		115
116	Your ethnic identity	116
117		117
118	Control of environmental pollution	118
119	Consumer protection	119
120	School desegregation	120
121	Too much concern/rights of crim.	121
122	Hard-working be paid equally	122
123	Married women confined to home	123
124	Wealthy pay larger share of taxes	124
125	Marijuana should be legalized	125
126	Discourage large families	126
127	Women have same sal/opp. as men	127
128	Indiv. can do little/social change	128
129	Regulate stu. behavior off campus	129
130	Benefit of educ. is earning	130
131	Promotions based on evaluations	131
132	College grades be abolished	132
133	De-emphasize organized sports	133
134	Publications cleared by officials	134
135	Ban persons from speaking on cam.	135
136	Disadvantaged given prefer. treat.	136
137	Too lax dealing with protesters	137
138	Open admissions	138
139	Use same perf. stand/award degree	139
140	Change major field	140
141	Change career choice	141
142	Fail one or more courses	142
143	Graduate with honors	143
144	Be elected to a student office	144
145	Join a social frat/sor/club	145
146	Be elected to an acad. honor soc.	146
147	Make at least a "B" average	147
148	Need extra time to complete degree	148
149	Work outside job during college	149
150	Seek vocational counseling	150
151	Seek counseling on personal prob.	151
152	Enroll in honors courses	152
153	Get a bachelor's degree	153
154	Drop out of col. temp.	154
155	Drop out permanently	155
156	Transfer before graduating	156
157	Enter armed services before grad.	157
158	Be satisfied with your college	158
159	Be more suc. after grad. than oth.	159
160	Card Indicator (2)	160
161	College's Subject I.D.	161
162		162
163		163
164		164
165		165
166		166
167		167
168		168
169		169
170	College I.D.	170
171		171
172		172
173		173
174		174
175		175
176	College's Special Grid	176
177		177
178	Find job after grad. in field	178
179	Get married while in college	179
180	Get married in year after college	180
181	Adopt a child some day	181
182	English	182
183	Reading	183
184	Mathematics	184
185	Social Studies	185
186	Science	186
187	Foreign Language	187
188	Major field	188
189		189
190	Accomplished in performing arts	190
191	Authority in my field	191
192	Recognition from colleagues	192
193	Influencing political structure	193
194	Influencing social values	194
195	Raising a family	195
196	Having an active social life	196
197	Friends with diff. backgrounds	197
198	Expert in finance & commerce	198
199	Administrative responsibility	199
200	Being very well-off financially	200
201	Helping others in difficulty	201
202	Joining Peace Corps or Vista	202
203	Becoming a community leader	203

204	Making theoretical contr. to sci.	204	222	Special educational programs	222
205	Writing original works	205	223	Was not accepted anywhere else	223
206	Never being obligated to people	206	224	Guidance counselor advised me	224
207	Creating artistic work	207	225	Wanted to live at home	225
208	Keeping up to date with politics	208	226	Optional item 38	226
209	Successful in business of my own	209	227	Optional item 39	227
210	Programs to clean up environment	210	228	Optional item 40	228
211	Meaningful philosophy of life	211	229	Optional item 41	229
212	Part. in community action program	212	230	Optional item 42	230
213	Getting married in next five yrs.	213	231	Optional item 43	231
214	Relatives wanted me to come here	214	232	Optional item 44	232
215	Wanted to live away from home	215	233	Optional item 45	233
216	College has good acad. reputation	216	234	Optional item 46	234
217	College has good athletic program	217	235	Optional item 47	235
218	Was offered financial assistance	218	236	Blank	236
219	Most of my friends going here	219	237		237
220	Because of low tuition	220	238		238
221	Advised by someone who went here	221	239		239
			240	Card Indicator (3)	240

University of Illinois Intellective Data Format

CC	
1 2 3 4 5 6 7 8 9	Social Security No.
10 11	ACT English
12 13	ACT Math
14 15	ACT Social Science
16 17	ACT Natural Science
18 19	ACT Composite
20 21 22 23 24 25 26 27	Blank
28 29 30	HSPR
31 32	Read Verbal
33 34	Read Speed
35 36	Read Comprehension
37 38	SCAT Verbal
39 40	SCAT Quant.
41 42 43	SCAT Total
44 45 46	GPA
47 48 49 50 51 52 53 54	Blank
55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79	Blank
80	Card Indicator 4

MacMurray College Intellective Data Format

CC					
1	Social Security No.	28	HSPR	55	Blank
2		29		56	
3		30		57	
4		31	SAT Verbal	58	
5		32		59	
6		33		60	
7		34	SAT Quant.	61	
8		35		62	
9		36		63	
10	ACT English	37	Vocabulary	64	
11		38		65	
12	ACT Math	39		66	
13		40	Comprehension	67	
14	ACT Social Science	41		68	
15		42		69	
16	ACT Natural Science	43	Speed	70	
17		44		71	
18	ACT Composite	45		72	
19		46	Total	73	
20	High School Rank	47		74	
21		48		75	
22		49	Expression	76	
23		50		77	
24	Class Size	51		78	
25		52	Total English	79	
26		53		80	Card Indicator 4
27		54			

Prairie State College Intellective Data Format

CC					
1	Social Security No.	28	Blank	55	Blank
2		29		56	
3		30		57	
4		31	CEPT Total	58	
5		32		59	
6		33	Blank	60	
7		34	Nelson-Denny Total	61	
8		35		62	
9		36		63	
10	ACT English	37	Nelson-Denny I	64	
11		38		65	
12	ACT Math	39	Nelson-Denny II	66	
13		40		67	
14	ACT Social Science	41	Blank	68	
15		42		69	
16	ACT Natural Science	43		70	
17		44		71	
18	ACT Composite	45		72	
19		46		73	
20	Blank	47		74	
21		48		75	
22		49		76	
23		50		77	
24		51		78	
25		52		79	
26		53		80	Card Indicator 4
27		54			

Western Illinois University Intellective Data Format

CC					
1	Social Security No.	28	HSPR	55	Blank
2		29		56	
3		30		57	
4		31	Spring Term GPA	58	
5		32		59	
6		33		60	
7		34		61	
8		35	Last term accumulated GPA	62	
9		36		63	
10	ACT English	37		64	
11		38		65	
12	ACT Math	39	Academic Status	66	
13		40	Last term	67	
14	ACT Social Science	41		68	
15		42		69	
16	ACT Natural Science	43		70	
17		44	Blank	71	
18	ACT Composite	45		72	
19		46		73	
20	High School Rank	47		74	
21		48		75	
22		49		76	
23		50		77	
24	Class Size	51		78	
25		52		79	
26		53		80	Card Indicator 4
27		54			

Appendix D

Student Information Form Data for University of Illinois Students

Research Memorandum No. 141
June, 1973

Responses by University of Illinois (Urbana-Champaign) Entering 1972 Freshmen to the American Council On Education Student Information Form

Pam Hexner

In the fall of 1972, 4,599 entering freshmen of a total of 5,998 at the University of Illinois, completed the Student Information Form (SIF) of the American Council on Education (ACE). "The SIF is designed to elicit a wide range of biographic and demographic data as well as data on the student's high school background, career plans, educational aspirations, financial arrangements, high school activities and behaviors and current attitudes" (ACE Report, 1972).

The results of the SIF are reported in terms of the percentage of freshmen responding to each item. Normative data have been provided by ACE which can be used to evaluate the responses of University of Illinois freshmen. Of the 372 institutions that participated in the study in 1972, 42 were classified as universities and these 42 institutions provided the normative data for the University of Illinois freshmen. Further information about the composition of the 1972 national norms can be obtained from the 1972 ACE report.

The computer printout for each individual institution includes separate responses for males and females as well as responses for the total sample along with the respective normative data. Responses are printed for each college within the institution and for the entire institution. This report is concerned with the responses of the entire freshman group for the years 1970, 1971 and 1972 and with the responses of 1972 male and female freshmen. Table 1 contains the data for the three cohorts of freshmen. The normative data pertain only to 1972 and should not be used to compare responses from the two preceding years. Because the SIF has been modified from year to year, some questions that appear in 1972 will of necessity be blank for one or both of the preceding years. The responses for the male and female freshmen together with their respective normative data are presented in Table 2. No information about the individual colleges is provided in this report but can be obtained from the Office of Instructional Resources, Measurement and Research Division, 307 Engineering Hall.

Table 1

University of Illinois (Urbana-Champaign) Fall, 1972 Entering Freshmen Responses to the ACE Questionnaire Compared With 1972 Universities National Norms, 1970 and 1971 University of Illinois' Responses

Item	Percentage Responding			
	U. of I. 1970	U. of I. 1971	U. of I. 1972	Universities National Norms 1972
Sex				
Male	59.8	60.7	58.4	54.6
Female	40.2	39.3	41.6	45.4
1. Age by December 31, 1972				
16 or younger	.1	.1	.3	.1
17	5.3	5.9	6.7	4.5
18	87.2	85.3	84.1	79.7
19	6.7	8.0	7.5	13.8
20	.2	.2	.7	.8
21	.1	.1	.2	.3
22-25	.4	.3	.4	.6
26 or older	.1	.0	.1	.2
2. Marital Status				
Presently married		.7	.5	.7
Presently engaged		*	1.4	1.7
Seeing one person exclusively		*	31.1	32.8
Dating, but no one steadily		*	43.8	46.7
Not dating in recent months		*	23.2	18.2
3. Racial Background				
Caucasian/White	95.4	91.2	92.5	94.7
Black/Negro/Afro-American	3.2	6.8	5.5	3.5
American Indian	.0	.7	.6	1.1
Oriental	1.0	1.4	1.5	.8
Mexican-American/Chicano		.3	.2	.5
Puerto Rican-American		.3	.3	.2
Other	.3	.9	.5	1.1
4. Religion Reared				
Jewish		8.3	8.8	6.8
Protestant		50.3	45.3	49.7
Roman Catholic		31.4	34.4	32.5
Other		6.9	7.6	7.1
None		3.1	3.8	3.9

*For 1971, the only other alternative to this question was: Not Married, and 99.3% responded in this manner.

Table 1 (cont.)

Item	Percentage Responding			
	U. of I. 1970	U. of I. 1971	U. of I. 1972	Universities National Norms 1972
5. Religious Preference				
Jewish	8.6	6.7	7.9	5.9
Protestant		38.5	35.0	40.5
Roman Catholic	27.9	23.6	27.2	26.8
Other	7.9	8.9	9.3	9.2
None	16.6	22.4	20.5	17.6
6. Citizenship				
Native born U.S. citizen			97.7	97.4
Naturalized U.S. citizen			1.4	1.7
Not a U.S. citizen			.9	.9
7. Veteran				
No	99.4	99.7	99.5	99.3
Yes, Served in Southeast Asia	.3	.2	.2	.3
Yes, Did not serve in Southeast Asia	.2	.2	.3	.3
8. While growing up, I lived				
On a farm			8.0	7.4
In a small town			12.0	16.6
In a city of moderate size			25.4	33.2
In a suburb of a large city			36.9	29.8
In a large city			17.7	13.0
9. Father's Education				
Grammar School or less	5.4	6.2	4.4	4.5
Some High School	7.5	8.1	7.3	8.8
High School Graduate	26.0	25.1	25.1	25.7
Some College	20.3	19.1	19.3	17.5
College Degree	27.0	25.9	24.4	23.0
Some Graduate School			3.7	3.6
Graduate Degree	13.8	15.7	15.7	16.9
10. Mother's Education				
Grammar School or less	3.2	3.8	3.1	2.6
Some High School	7.0	7.8	6.0	7.0
High School Graduate	41.6	40.0	41.2	40.8
Some College	25.2	23.2	24.0	22.2
College Degree	18.8	20.8	17.3	19.1
Some Graduate School			3.0	3.1
Graduate Degree	4.2	4.5	5.3	5.2

Table 1 (cont.)

Item	Percentage Responding			
	U. of I. 1970	U. of I. 1971	U. of I. 1972	Universities National Norms 1972
11. Parents' Marital Status				
Both alive, married to each other			87.2	86.8
Both alive, divorced or separated			6.5	6.9
One or both parents deceased			6.3	6.3
12. Father's Occupation				
Artist (Including Performer)	1.2	1.1	.9	.9
Businessman	37.3	33.1	36.0	35.3
Clergyman	.5	.5	.5	.6
College Teacher	1.3	1.8	1.7	1.4
Doctor (M.D. or D.D.S.)	1.9	1.9	2.3	3.5
Educator (Secondary)	2.6	3.0	3.1	2.7
Elementary Teacher	.5	.6	.4	.3
Engineer	10.4	10.7	10.9	10.0
Farmer or Forester	7.6	8.3	5.9	5.3
Health Professional (Non M.D.)	1.4	1.5	1.2	1.4
Lawyer	1.7	2.0	1.9	2.2
Military Career	.9	.7	.6	2.0
Research Scientist	1.5	1.4	1.2	1.0
Skilled Worker	10.4	9.6	9.8	9.2
Semi-Skilled Worker	4.9	5.3	4.6	4.7
Unskilled Worker	2.0	2.7	2.6	2.4
Unemployed	.5	1.0	1.4	1.4
Other	13.3	14.6	14.9	15.6
13. Father's Employment History				
Presently employed full-time			93.6	92.8
Presently employed part-time			.9	1.1
Not now employed but was in the past			5.4	5.9
Not now employed and never was			.2	.2
14. Mother's Employment History				
Presently employed full-time			32.3	31.4
Presently employed part-time			17.5	16.5
Not now employed but was in the past			35.2	35.5
Not now employed and never was			15.1	16.6

Table 1 (cont.)

Item	Percentage Responding			
	U. of I. 1970	U. of I. 1971	U. of I. 1972	Universities National Norms 1972
15. Estimated Parental Income				
Less than $3,000	**	**	1.7	1.8
$3,000 - $3,999	**	**	1.8	1.6
$4,000 - $5,999	3.3	4.0	2.8	3.7
$6,000 - $7,999	5.7	5.7	3.8	5.6
$8,000 - $9,999	10.7	8.2	6.5	8.3
$10,000 - $12,499	15.9	15.7	14.0	15.8
$12,500 - $14,999	17.3	16.2	14.2	13.7
$15,000 - $19,999	18.7	19.4	20.9	17.0
$20,000 - $24,999	12.6	12.9	14.3	12.2
$25,000 - $29,999	5.0	6.5	7.5	6.4
$30,000 - $34,999	3.6	3.6	4.4	4.2
$35,000 - $39,999	1.6	1.5	2.7	2.6
$40,000 - $49,999	**	**	2.0	2.6
$50,000 or more	**	**	3.4	4.5
16. Type of Secondary School				
Public			87.8	84.0
Private (Denominational)			10.8	11.7
Private (Non-denominational)			1.0	3.9
Other			.3	.4
17. Year Finished Secondary School				
Graduated in 1972			97.4	96.5
Did not graduate in 1972			2.6	3.5
18. Size of High School Graduating Class				
25 or less			.5	1.7
26-50			3.5	4.0
51-100			7.2	8.5
101-249			14.3	24.2
250-500			33.9	34.9
Over 500			40.6	26.7

**For the years 1970 and 1971, incomes "less than $4,000" were reported. For 1970, the percentage was 1.9, for 1971, it was 3.2. Similarly, 1970 and 1971 incomes "greater than $40,000" were reported. For 1970, the percentage was 3.5, and for 1970, it was 3.0.

Table 1 (cont.)

Item	Percentage Responding			
	U. of I. 1970	U. of I. 1971	U. of I. 1972	Universities National Norm 1972
19. High School Class Going to College				
Under 10 percent			1.1	1.5
10-24 percent			8.0	9.1
25-49 percent			23.2	24.3
50-74 percent			36.4	35.9
75 percent or more			31.4	29.2
20. Rank in High School Class				
Top Quarter	85.0	88.7	86.3	65.5
Second Quarter	13.3	9.8	11.9	26.3
Third Quarter	1.4	1.3	1.8	7.4
Lowest Quarter	.3	.2	.1	.7
21. Average Grade in High School				
A or A+	11.7	15.2	16.0	12.2
A-	20.5	24.4	23.0	16.7
B+	29.9	30.5	28.4	24.3
B	23.7	19.4	20.9	24.6
B-	10.2	7.1	7.3	11.7
C+	3.1	2.4	3.2	7.2
C	.8	.9	1.1	3.2
D	.1	.0	.1	.1
22. Distance From Home to College				
5 miles or less	3.2	4.5	3.5	6.0
6-10 miles	.3	.7	.7	8.0
11-50 miles	5.4	5.9	5.8	15.6
51-100 miles	11.3	14.0	12.1	17.9
101-500 miles	77.9	73.0	75.2	41.2
More than 500 miles	1.9	1.8	2.7	11.4
23. Number of College Applications				
This college only			41.6	41.8
One other			27.8	19.9
Two others			16.6	16.3
Three others			9.3	10.2
Four others			2.8	5.7
Five others			1.2	3.1
More than five others			.7	3.0

Table 1 (cont.)

Item	Percentage Responding			
	U. of I. 1970	U. of I. 1971	U. of I. 1972	Universities National Norms 1972
24. Number of College Acceptances				
This college only			37.4	35.7
One other			31.8	27.2
Two others			18.3	19.4
Three others			9.0	10.1
Four others			2.3	4.4
Five others			.8	1.7
More than five others			.5	1.4
25. Highest Degree Planned Anywhere				
None	.7	1.7	.9	1.1
Associate (or equivalent)	.3	.5	.5	1.1
Bachelor's (B.A., B.S.)	27.0	29.4	30.0	38.4
Master's (M.A., M.S.)	40.3	38.1	33.1	27.7
Ph.D. or Ed.D.	16.4	14.1	12.9	11.5
M.D., D.O., D.D.S. or D.V.M.	8.9	8.7	14.3	12.3
LL.B. or J.D. (Law)	5.6	6.6	7.6	6.7
B.D. or M.Div. (Divinity)	.2	.1	.2	.2
Other	.7	.8	.7	1.0
26. Highest Degree Planned Here				
None			3.8	3.7
Associate (or equivalent)			.8	1.7
Bachelor's (B.A., B.S.)			60.8	67.5
Master's (M.A., M.S.)			20.7	16.1
Ph.D. or Ed.D.			4.3	2.8
M.D., D.O., D.D.S. or D.V.M.			6.3	4.7
LL.B. or J.D. (Law)			2.7	2.5
B.D. or M.Div. (Divinity)			0.0	.1
Other			.6	.9
27. Reasons noted as very important in selecting this college				
Relatives wanted me to go		7.7	9.0	8.3
Wanted to live away from home			34.8	27.1
Has a good academic reputation		58.7	78.6	60.9
Has a good athletic program			8.9	10.1
Offered financial assistance			14.3	15.7
Most of my friends are going here		2.9	2.6	2.8
Low tuition		22.7	22.4	17.1
Advice of someone who attended		15.6	16.6	16.1
Special education program offered		30.9	20.0	26.7
Not accepted anywhere else		1.0	1.3	2.4
Advice of guidance counselor		3.8	4.3	4.4
Wanted to live at home		1.8	1.1	6.0

Table 1 (cont.)

Item	Percentage Responding			
	U. of I. 1970	U. of I. 1971	U. of I. 1972	Universities National Norms 1972
28. Probable Major Field of Study				
Agriculture (Incl. Forestry)	6.9	3.8	3.4	3.5
Biological Sciences	1.1	3.6	4.1	5.4
Business	10.7	7.4	11.0	9.7
Education	9.5	6.1	3.8	5.4
Engineering	26.3	16.6	13.2	7.6
English	.6	1.9	.9	1.7
Health Professions (Non-M.D.)	1.5	3.9	4.7	9.2
History, Political Science	1.6	2.1	2.5	4.4
Humanities (Other)	1.5	2.5	3.1	3.6
Fine Arts	17.0	12.3	12.2	9.7
Mathematics or Statistics	1.6	4.2	3.2	2.6
Physical Sciences	1.9	4.1	3.5	2.8
Pre-Professional	7.9	14.2	17.3	15.0
Social Sciences	3.0	6.9	6.1	8.1
Other Fields (Technical)	3.2	5.1	4.1	3.6
Other Fields (Non-technical)	3.9	2.9	3.0	3.5
Undecided	1.7	2.4	4.0	4.3
29. Need for Special Help in				
English		14.7	16.8	16.6
Reading		18.9	17.5	10.4
Mathematics		22.5	25.9	33.2
Social Studies		4.0	4.2	3.8
Science		15.4	21.0	22.6
Foreign Language		16.6	17.0	20.7
30. Probable Career Occupation				
Artist (Incl. Performer)	7.0	6.5	7.7	6.8
Businessman	6.7	7.1	9.0	8.2
Clergyman	.2	.2	.3	.3
College Teacher	1.4	.8	.6	.7
Doctor (M.D. or D.D.S.)	6.8	6.7	10.8	9.7
Educator (Secondary)	9.9	6.6	4.2	5.2
Elementary Teacher	5.0	3.7	1.9	3.8
Engineer	15.9	15.3	11.7	6.7
Farmer or Forester	2.2	3.0	2.5	3.3
Health Professional	5.0	5.7	7.3	9.0
Lawyer	5.7	6.9	7.4	7.0
Nurse	.8	.9	1.1	3.4
Research Scientist	5.0	5.3	4.2	3.7
Other	16.6	17.9	18.6	17.1
Undecided	11.7	13.5	12.7	14.8

Table 1 (cont.)

Item	Percentage Responding			
	U. of I. 1970	U. of I. 1971	U. of I. 1972	Universities National Norms 1972
31. Major Sources of Support				
Part-time or summer work		38.9	42.4	33.6
Savings from full-time work		9.0	11.8	8.9
Spouse's employment			.6	1.1
Parental or family aid or gifts		67.4	69.8	67.1
Parent's military service		1.5	2.2	2.0
Personal military service		.4	.6	.7
Scholarships and grants		36.5	28.0	21.7
Loans - NDEA/Gov't Insured/College		11.8	11.7	15.5
Other repayable loans		3.5	3.6	5.3
32. Concern About Financing College				
No concern	29.7	28.6	29.3	34.6
Some concern	60.8	60.8	55.5	51.3
Major concern	9.5	10.6	15.2	14.1
33. Activities and Accomplishments				
During my lifetime:				
Employed while not in school			8.3	8.8
Won an award in art competition			13.4	11.9
Had original writings published			18.2	16.7
During the past year:				
Played a musical instrument	48.7	47.8	42.5	38.4
Attended religious services	86.3	84.8	73.7	73.4
Participated in a demonstration			9.3	10.4
Visited art gallery or museum	77.9	76.0	66.0	62.1
Smoked cigarettes regularly	8.7	9.4	11.4	14.9
Drank beer	56.0	59.1	54.0	55.9
Had vocational counseling	47.5	40.4	18.5	16.5
Worked in political campaign			9.7	12.8
While in high school:				
Was honor society member	53.3	59.1	55.9	41.7
Won letter--basketball, football	***	***	11.4	16.0
Won varsity letter--other sport	***	***	23.1	29.0
Edited school publication	15.4	15.1	14.6	16.7
Current Political Perspective				
Far Left	3.2	3.5	2.8	2.5
Liberal	39.6	43.1	39.3	36.7
Middle-of-the-road	40.7	37.4	42.5	45.2
Conservative	16.0	15.2	14.9	15.2
Far Right	.6	.7	.5	.5

***For the years 1970 and 1971, the question pertained to sports in general. The percentages are 28.1 and 29.7 for 1970 and 1971, respectively.

Table 1 (cont.)

Item	Percentage Responding			
	U. of I. 1970	U. of I. 1971	U. of I. 1972	Universities National Norms 1972
35. Objectives Considered to be Essential or Very Important				
Achieve in a performing art	12.9	12.6	13.8	12.3
Be an authority in my field	67.1	58.7	60.2	60.9
Obtain recognition from peers	40.2	38.6	37.8	36.6
Influence political structure	18.3	15.0	16.2	17.4
Influence social values	28.9	24.6	25.8	30.4
Raise a family	61.7	53.6	59.2	61.8
Have an active social life	48.8	50.0	55.1	57.2
Have friends different from me	58.2	54.9	60.1	65.5
Be an expert in finance	12.9	11.9	16.3	14.6
Be administratively responsible	17.1	15.9	22.2	21.4
Be very well-off financially	36.2	38.1	41.0	38.0
Help others in difficulty	55.0	51.7	58.9	66.0
Participate in Peace Corps/Vista	18.5	13.6	13.5	15.7
Become a community leader	12.8	11.0	13.3	15.2
Contribute to scientific theory	14.3	13.9	16.1	12.9
Write original works	16.6	15.6	16.5	16.0
Never be obligated to people	19.4	22.2	21.7	21.5
Create works of art	20.3	17.6	20.8	18.9
Keep up with political affairs	56.0	43.7	53.6	55.4
Succeed in my own business	38.7	36.3	44.4	43.2
Help clean up environment		39.7	42.3	46.3
Develop a philosophy of life	76.4	70.5	71.1	75.2
Participate in community action	23.9	19.5	23.3	29.8
Marry within next 5 years	22.7	22.6	24.8	27.1
36. The Federal Government is not doing enough to control pollution	97.6	93.7	90.9	91.4
The Federal Government is not doing enough to protect the consumer from faulty goods and services.	67.8	79.4	78.4	77.0
The Federal Government is not doing enough to promote school desegregation	50.6	51.8	51.2	48.5
There is too much concern in the courts for the rights of criminals		44.8	48.8	47.6

Table 1 (cont.)

Item	Percentage Responding			
	U. of I. 1970	U. of I. 1971	U. of I. 1972	Universities National Norms 1972
36. (cont.)				
As long as they work hard, people should be paid equally, regardless of ability or quality of work			16.8	19.0
The activities of married women are best confined to the home and family		31.2	27.0	29.6
Wealthy people should pay a larger share of taxes than they do now			71.5	71.8
Marijuana should be legalized		50.7	54.8	51.5
People should be discouraged from having large families		78.4	74.5	75.2
Women should receive the same salary and opportunities for advancement as men in comparable positions		91.1	94.1	93.5
Realistically, an individual can do little to bring about changes in our society		52.0	49.7	41.5
37. College officials have the right to regulate student behavior off campus		8.6	7.7	8.8
The chief benefit of a college education is that it increases one's earning power		53.5	54.3	50.7
Faculty promotions should be based in part on student evaluations		81.8	80.2	80.2
College grades should be abolished		43.7	38.8	39.5
Colleges would be improved if organized sports were de-emphasized		31.0	27.4	27.6
Student publications should be cleared by college officials		18.2	16.4	23.9
College officials have the right to ban persons with extreme views from speaking on campus		20.1	16.8	21.0
Students from disadvantaged social backgrounds should be given preferential treatment in college admissions		31.8	28.9	35.8

Table 1 (cont.)

Item	Percentage Responding			
	U. of I. 1970	U. of I. 1971	U. of I. 1972	Universities National Norms 1972
37. (cont.)				
Most college officials have been too lax in dealing with student protests on campus		34.2	31.7	36.0
Open admissions (admitting anyone who applies) should be adopted by all publicly-supported colleges		19.7	16.8	26.9
Even if it employs open admissions, a college should use the same performance standards in awarding degrees to all students		78.2	78.7	79.6
38. *Students estimate that chances are very good that they will:*				
Change major field	25.1	22.2	23.5	20.2
Change career choice	25.5	22.3	23.5	21.1
Fail one or more courses	1.8	1.2	1.2	2.4
Graduate with honors	10.2	10.3	13.2	9.0
Be elected to student office	1.9	1.0	1.1	1.6
Join social fraternity or sorority	21.7	17.7	19.1	18.0
Be elected to an honor society	6.9	8.7	9.8	6.1
Make at least a "B" average		44.1	52.8	39.0
Need extra time to get degree		4.9	4.1	4.1
Work at outside job		24.3	25.1	28.3
Seek vocational counseling		12.3	14.8	14.8
Seek personal counseling		5.4	5.0	5.9
Enroll in honor's course		26.8	21.8	11.7
Get a bachelor's degree			81.7	77.4
Drop out temporarily	1.4	1.9	2.1	1.9
Drop out permanently	.5	.8	.9	.8
Transfer to another college	7.2	7.6	8.1	9.7
Enter armed services before graduation	.9	1.3	1.3	1.5
Be satisfied with college	57.7	48.8	52.9	62.3
Be successful after graduation	12.9	11.8	20.8	17.7
Find job in own field after graduation			48.5	51.2
Get married while in college	6.3	7.9	6.6	8.2
Marry within a year after college	23.3	23.0	16.3	16.6
Adopt a child some day			18.2	19.3

Table 2

Comparison of the Responses of Male and Female Entering Freshmen, Fall, 1972 to the ACE Questionnaire

Item	U. of I.		Universities National Norms	
	Male	Female	Male	Female
Number of Students	58.4	41.6	54.6	45.4
1. Age by December 31, 1972				
16 or younger	.2	.4	.1	.1
17	5.3	8.8	3.5	5.7
18	84.1	83.9	78.2	81.5
19	8.5	6.1	15.6	11.7
20	.8	.6	1.1	.5
21	.2	.1	.4	.2
22-25	.6	.1	.9	.2
26 or older	.2	.0	.2	.1
2. Marital Status				
Presently married	.5	.4	.8	.5
Presently engaged	1.2	1.8	1.4	2.0
Seeing one person exclusively	29.9	32.7	30.9	35.1
Dating, but no one steadily	42.2	46.1	46.7	46.6
Not dating in recent months	26.1	19.1	20.2	15.7
3. Racial Background				
Caucasian/White	94.4	89.8	95.3	93.9
Black/Negro/Afro-American	3.9	7.9	2.9	4.4
American Indian	.5	.7	1.0	1.3
Oriental	1.3	1.7	.8	.8
Mexican-American/Chicano	.3	.1	.6	.5
Puerto Rican-American	.3	.3	.2	.2
Other	.4	.6	1.1	1.1
4. Religion Reared				
Jewish	7.2	11.1	6.6	7.0
Protestant	46.1	44.3	48.1	51.7
Roman Catholic	35.1	33.4	33.9	30.9
Other	7.4	7.9	7.4	6.6
None	4.1	3.3	3.9	3.9

Table 2 (cont.)

Item	U. of I.		Universities National Norms	
	Male	Female	Male	Female
5. Religious Preference				
Jewish	6.0	10.6	5.5	6.4
Protestant	35.4	34.5	38.0	43.6
Roman Catholic	27.6	26.7	27.8	25.4
Other	8.6	10.3	9.5	8.9
None	22.3	18.0	19.2	15.7
6. Citizenship				
Native born U.S. citizen	98.0	97.4	97.5	97.3
Naturalized U.S. citizen	1.2	1.7	1.4	2.1
Not a U.S. citizen	.9	.9	1.0	.7
7. Veteran				
No	99.1	100.0	98.8	100.0
Yes, served in Southeast Asia	.4	.0	.6	.0
Yes, did not serve in Southeast Asia	.5	.0	.6	.0
8. While growing up, I lived				
On a farm	8.7	7.0	7.9	6.9
In a small town	13.3	10.2	16.2	17.1
In a city of moderate size	25.7	25.0	32.5	34.1
In a suburb of a large city	36.8	37.1	30.9	28.5
In a large city	15.6	20.7	12.5	13.5
9. Father's Education				
Grammar school or less	4.4	4.5	4.7	4.3
Some high school	7.0	7.7	9.3	8.3
High school graduate	27.0	22.5	27.1	24.0
Some college	19.0	19.7	17.0	18.1
College degree	24.8	23.9	22.4	23.7
Some graduate school	3.2	4.4	3.5	3.8
Graduate degree	14.6	17.3	16.1	17.8
10. Mother's Education				
Grammar school or less	3.0	3.2	2.6	2.5
Some high school	6.0	6.0	7.4	6.6
High school graduate	44.0	37.2	42.7	38.4
Some college	22.9	25.6	20.9	23.8
College degree	16.7	18.2	18.5	19.7
Some graduate school	2.6	3.7	3.0	3.3
Graduate degree	4.8	6.1	4.9	5.6

Table 2 (cont.)

Item	U. of I.		Universities National Norms	
	Male	Female	Male	Female
11. Parents' Marital Status				
Both alive, married to each other	88.5	85.3	87.5	86.0
Both alive, divorced or separated	5.2	8.4	6.3	7.6
One or both parents deceased	6.3	6.3	6.2	6.4
12. Father's Occupation				
Artist (including performer)	.6	1.3	.9	.9
Businessman	36.8	34.9	35.6	34.9
Clergyman	.4	.6	.7	.6
College teacher	1.5	2.1	1.3	1.5
Doctor (M.D. or D.D.S.)	1.8	3.0	3.4	3.6
Educator (secondary)	2.7	3.8	2.5	2.8
Elementary teacher	.5	.3	.3	.3
Engineer	11.9	9.6	10.1	10.0
Farmer or forester	6.1	5.6	5.5	5.1
Health professional (non-M.D.)	1.2	1.3	1.5	1.3
Lawyer	1.6	2.3	2.1	2.3
Military career	.6	.6	2.0	2.0
Research Scientist	1.1	1.2	1.0	1.0
Skilled worker	9.8	9.7	9.9	8.4
Semi-skilled worker	5.4	3.5	5.2	4.2
Unskilled worker	2.3	2.9	2.3	2.5
Unemployed	1.1	1.8	1.4	1.4
Other	14.5	15.5	14.3	17.2
13. Father's Employment History				
Presently employed full-time	94.0	93.1	92.9	92.7
Presently employed part-time	.8	.9	1.1	1.1
Not now employed but was in the past	5.0	6.0	5.8	6.0
Not now employed and never was	.2	.1	.2	.2
14. Mother's Employment History				
Presently employed full-time	31.3	33.7	30.6	32.3
Presently employed part-time	18.1	16.7	16.5	16.4
Not now employed but was in past	34.2	36.5	35.5	35.5
Not now employed and never was	16.5	13.2	17.4	15.7

Table 2 (cont.)

Item	U. of I.		Universities National Norms	
	Male	Female	Male	Female
15. Estimated Parental Income				
Less than $3,000	1.3	2.3	1.7	1.9
$3,000-$3,999	1.3	2.7	1.4	1.8
$4,000-$5,999	2.6	3.2	3.4	3.9
$6,000-$7,999	3.0	5.0	5.4	5.9
$8,000-$9,999	6.4	6.6	8.5	8.1
$10,000-$12,499	14.2	13.7	16.0	15.5
$12,500-$14,999	14.9	13.1	14.3	12.9
$15,000-$19,999	21.6	19.7	17.3	16.6
$20,000-$24,999	14.8	13.5	12.1	12.3
$25,000-$29,999	7.7	7.1	6.2	6.6
$30,000-$34,999	4.5	4.3	4.1	4.4
$35,000-$39,999	2.5	2.9	2.4	2.9
$40,000-$49,999	1.9	2.2	2.4	2.7
$50,000 or more	3.3	3.7	4.7	4.3
16. Type of Secondary School				
Public	87.9	87.6	82.2	86.2
Private (denominational)	10.7	11.1	12.9	10.3
Private (nondenominational)	1.1	.9	4.5	3.1
Other	.3	.3	.4	.4
17. Year Finished Secondary School				
Graduated in 1972	97.2	97.6	95.8	97.3
Did not graduate in 1972	2.8	2.4	4.2	2.7
18. Size of H.S. Graduating Class				
25 or less	.5	.4	1.6	1.7
26-50	3.7	3.2	3.9	4.1
51-100	7.7	6.5	8.8	8.1
101-249	14.7	13.7	25.1	23.2
250-500	33.4	34.7	34.9	34.9
Over 500	40.0	41.5	25.7	28.0

Table 2 (cont.)

Item	U. of I.		Universities National Norms	
	Male	Female	Male	Female
19. High School Class Going to College				
Under 10 percent	1.2	.9	1.6	1.4
10-24 percent	7.7	8.5	9.2	9.0
25-49 percent	23.6	22.5	23.5	25.2
50-74 percent	36.2	36.7	34.8	37.3
75 percent or more	31.3	31.5	30.9	27.1
20. Rank in High School Class				
Top quarter	83.9	89.6	61.0	70.9
Second quarter	13.9	9.1	29.0	23.1
Third quarter	2.2	1.2	9.0	5.6
Lowest quarter	.1	.1	1.0	.4
21. Average Grade in High School				
A or A+	14.0	18.7	9.9	14.9
A-	20.6	26.4	14.1	19.8
B+	27.9	29.1	22.4	26.6
B	22.6	18.5	25.4	23.8
B-	9.0	4.9	14.3	8.5
C+	4.3	1.7	9.4	4.5
C	1.4	.7	4.3	1.8
D	.1	.1	.2	.0
22. Distance From Home to College				
5 miles or less	2.9	4.3	5.7	6.3
6-10 miles	.5	1.0	8.1	7.8
11-50 miles	6.3	5.1	15.2	16.1
51-100 miles	12.5	11.4	16.9	19.1
101-500 miles	74.5	76.0	41.4	41.0
More than 500 miles	3.2	2.0	12.7	9.7
23. Number of College Applications				
This college only	43.2	39.4	40.1	43.9
One other	25.1	31.5	18.9	21.2
Two others	16.3	16.9	16.5	16.0
Three others	10.4	7.9	10.9	9.3
Four others	2.9	2.7	6.5	4.8
Five others	1.2	1.2	3.6	2.4
More than five others	.9	.4	3.6	2.3

Table 2 (cont.)

Item	U. of I.		Universities National Norms	
	Male	Female	Male	Female
24. Number of College Acceptances				
This college only	39.6	34.3	35.0	36.6
One other	29.8	34.6	26.0	28.8
Two others	17.7	19.2	19.7	18.9
Three others	9.6	8.1	10.8	9.3
Four others	2.1	2.5	4.9	3.8
Five others	.8	.8	2.0	1.4
More than five others	.5	.5	1.6	1.1
25. Highest Degree Planned Anywhere				
None	.8	1.0	1.0	1.2
Associate (or equivalent)	.4	.5	.6	1.6
Bachelor's (B.A., B.S.)	25.4	36.6	31.5	46.7
Master's (M.A., M.S.)	31.6	35.2	26.1	29.7
Ph.D. or Ed.D.	15.2	9.6	13.7	8.8
M.D., D.O., D.D.S., or D.V.M.	15.5	12.5	16.2	7.6
LL.B. or J.D. (law)	10.2	3.8	9.7	3.1
B.D. or M.Div. (Divinity)	.2	.1	.3	.1
Other	.7	.6	1.0	1.1
26. Highest Degree Planned Here				
None	3.4	4.4	2.9	4.8
Associate (or equivalent)	.8	.8	1.2	2.2
Bachelor's (B.A., B.S.)	56.0	67.7	64.1	71.7
Master's (M.A., M.S.)	23.5	16.8	17.5	14.3
Ph.D., or Ed.D.	4.8	3.5	3.6	1.8
M.D., D.O., D.D.S., or D.V.M.	7.1	5.1	6.1	3.0
LL.B., or J.D. (law)	3.9	1.0	3.6	1.1
B.D. or M.Div. (divinity)	.0	.0	.1	.0
Other	.5	.7	.9	.9
27. Reasons Noted as Very Important in Selecting This College				
Relatives wanted me to go	7.9	10.5	6.9	10.0
Wanted to live away from home	29.7	42.0	22.2	33.1
Has a good academic reputation	76.3	81.9	56.7	63.4
Has a good athletic program	10.5	6.6	12.7	6.9
Offered financial assistance	12.4	16.9	16.2	15.1
Most friends going here	2.9	2.2	2.9	2.8
Low tuition	21.7	23.3	15.7	18.8
Advice of someone who attended	14.6	19.4	14.9	17.4
Special education program offered	18.6	22.1	25.1	28.5
Not accepted anywhere else	1.4	1.3	2.8	1.9
Advice of guidance counselor	4.1	4.5	4.8	3.9
Wanted to live at home	.8	1.6	5.7	6.3

Table 2 (cont.)

Item	U. of I.		Universities National Norms	
	Male	Female	Male	Female
28. Probable Major Field of Study				
Agriculture (incl. forestry)	4.9	1.2	5.6	1.0
Biological Sciences	3.4	5.0	6.0	4.6
Business	14.2	6.4	13.6	5.0
Education	.9	7.8	1.7	9.8
Engineering	21.6	1.3	13.5	.7
English	.5	1.4	1.0	2.5
Health Professions (Non-M.D.)	1.3	9.5	2.6	17.0
History, Political Science	2.3	2.9	5.2	3.4
Humanities (other)	1.2	5.8	1.9	5.7
Fine Arts	11.0	14.0	8.5	11.0
Mathematics or Statistics	2.7	3.9	2.6	2.7
Physical Sciences	4.8	1.6	4.1	1.2
Pre-Professional	20.1	13.4	20.3	8.6
Social Sciences	3.5	9.9	4.8	12.0
Other Fields (Technical)	4.5	3.4	4.2	2.9
Other Fields (Non-technical)	.4	6.6	.6	6.9
Undecided	2.7	5.9	3.8	4.9
29. Need for Special Help in				
English	21.4	10.2	21.4	10.8
Reading	19.1	15.4	12.3	8.2
Mathematics	20.5	33.4	28.5	38.8
Social Studies	3.9	4.5	3.4	4.4
Science	12.8	32.6	15.2	31.6
Foreign Language	18.6	14.8	24.0	16.8
30. Probable Career Occupation				
Artist (incl. Performer)	4.2	12.6	4.5	9.7
Businessman	11.6	5.2	11.2	3.5
Clergyman	.4	.1	.5	.1
College Teacher	.5	.7	.8	.6
Doctor (M.D. or D.D.S.)	12.6	8.2	13.5	5.1
Educator (Secondary)	1.4	8.2	3.2	7.7
Elementary Teacher	.1	4.6	.3	8.1
Engineer	19.0	1.3	11.8	.6
Farmer or Forester	3.7	.9	5.2	1.1
Health Professional (Non-M.D.)	3.7	12.4	5.3	13.5
Lawyer	10.3	3.3	10.3	3.0
Nurse	.0	2.7	.1	7.4
Research Scientist	5.5	2.4	4.7	2.6
Other	17.9	19.8	14.7	20.0
Undecided	9.2	17.7	13.0	17.0

Table 2 (cont.)

Item	U. of I.		Universities National Norms	
	Male	Female	Male	Female
31. Major Sources of Support				
Part-time or summer work	47.8	34.9	38.2	28.1
Savings from full-time work	13.3	9.7	10.7	6.8
Spouse's employment	.8	.4	1.2	.9
Parental or family aid or gifts	67.9	72.3	62.8	72.4
Parent's military service	2.2	2.3	2.0	1.9
Personal military service	1.0	.1	1.2	.1
Scholarships and grants	26.7	29.5	22.8	20.5
Loans-NDEA/Gov't insured/college	10.8	13.1	15.5	15.5
Other repayable loans	2.9	4.7	4.7	6.0
32. Concern About Financing College				
No concern	31.8	25.7	35.4	33.6
Some concern	55.1	56.0	51.6	51.0
Major concern	13.1	18.3	13.0	15.4
33. Activities and Accomplishments				
During my lifetime:				
Employed while not in school	10.9	4.5	11.4	5.7
Won an award in art competition	11.1	16.6	10.3	13.9
Had original writings published	15.8	21.7	14.8	19.0
During the past year:				
Played a musical instrument	36.3	51.2	33.2	44.6
Attended religious services	71.1	77.2	69.9	77.7
Participated in a demonstration	9.7	8.7	11.0	9.7
Visited art gallery or museum	57.4	77.9	55.1	70.6
Smoked cigarettes regularly	11.5	11.2	15.2	14.6
Drank beer	63.0	41.3	65.3	44.6
Had vocational counseling	17.4	20.1	15.7	17.4
Worked in political campaign	8.7	11.1	11.6	14.2
While in high school:				
Was honor society member	50.1	64.0	35.5	49.3
Won letter - basketball, football	18.8	1.0	25.1	5.0
Won varsity letter - other sport	34.8	6.7	40.0	15.8
Edited school publication	10.8	20.0	12.7	21.5
Current political preference:				
Far Left	3.1	2.3	3.1	1.7
Liberal	39.7	38.7	37.4	35.8
Middle-of-the-road	39.9	46.2	42.7	48.3
Conservative	16.6	12.5	16.1	14.1
Far Right	.6	.3	.7	.2

Table 2 (cont.)

Item	U. of I.		Universities National Norms	
	Male	Female	Male	Female
35. Objectives Considered to be Essential or Very Important				
Achieve in a performing art	10.3	18.8	9.7	15.3
Be an authority in my field	61.7	58.2	64.2	56.8
Obtain recognition from peers	40.3	34.3	41.1	31.2
Influence political structure	18.4	13.1	20.4	13.8
Influence social values	23.6	29.0	29.1	32.1
Raise a family	58.4	60.2	60.3	63.7
Have an active social life	56.8	52.8	60.0	54.0
Have friends different from me	56.8	64.8	62.2	69.6
Be an expert in finance	21.8	8.5	20.4	7.5
Be administratively responsible	26.3	16.5	27.2	14.4
Be very well-off financially	49.2	29.6	47.1	27.1
Help others in difficulty	52.6	67.6	59.3	74.1
Participate in Peace Corps/Vista	8.5	20.6	10.9	21.5
Become a community leader	14.5	11.5	17.9	12.0
Contribute to scientific theory	19.7	11.0	16.5	8.6
Write original works	13.4	20.8	13.7	18.7
Never be obligated to people	23.3	19.5	23.2	19.6
Create works of art	15.0	29.0	13.1	25.9
Keep up with political affairs	53.2	54.1	56.0	54.6
Succeed in my own business	52.5	33.0	52.7	31.6
Help clean up environment	41.2	44.0	46.5	46.1
Develop a philosophy of life	66.9	77.1	72.0	79.1
Participate in community action	20.4	27.3	26.7	33.5
Marry within next 5 years	23.4	26.8	23.6	31.4
36. The Federal Government is not doing enough to control pollution	90.0	92.1	91.3	91.6
The Federal Government is not doing enough to protect the consumer from faulty goods and services	76.7	80.7	76.1	78.2
The Federal Government is not doing enough to promote school desegregation	49.0	54.4	46.7	50.7
There is too much concern in the courts for the rights of criminals	54.4	40.8	53.8	40.2

Table 2 (cont.)

Item	U. of I.		Universities National Norms	
	Male	Female	Male	Female
36. (cont.)				
As long as they work hard, people should be paid equally, regardless of ability or quality of work	16.9	16.8	20.1	17.7
The activities of married women are best confined to the home and family	34.6	16.3	38.9	18.4
Wealthy people should pay a larger share of taxes than they do now	73.0	69.3	74.7	68.2
Marijuana should be legalized	56.0	53.1	53.8	48.8
People should be discouraged from having large families	75.3	73.3	75.9	74.2
Women should receive the same salary and opportunities for advancement as men in comparable positions	91.5	97.7	90.5	97.0
Realistically, an individual can do little to bring about changes in our society	53.1	44.8	45.1	37.3
37. College officials have the right to regulate student behavior off campus	8.0	7.2	9.5	7.9
The chief benefit of a college education is that it increases one's earning power	61.3	44.5	56.7	43.4
Faculty promotions should be based in part on student evaluations	79.2	81.7	79.5	80.9
College grades should be abolished	37.5	40.6	38.0	41.4
Colleges would be improved if organized sports were de-emphasized	28.0	26.5	28.2	26.8
Student publications should be cleared by college officials	16.6	16.3	24.1	23.6
College officials have the right to ban persons with extreme views from speaking on campus	18.7	14.2	23.3	18.3
Students from disadvantaged social backgrounds should be given preferential treatment in college admissions	28.8	28.9	35.3	36.3

Table 2 (cont.)

Item	U. of I.		Universities National Norms	
	Male	Female	Male	Female
37. (cont.)				
Most college officials have been too lax in dealing with student protests on campus	34.2	28.2	39.2	32.0
Open admissions (admitting anyone who applies) should be adopted by all publicly-supported colleges	16.4	17.5	26.6	27.3
Even if it employs open admissions, a college should use the same performance standards in awarding degrees to all students	80.2	76.7	80.5	78.4
38. *Students Estimate Chances are Very Good That They Will*				
Change major field	20.4	27.9	19.0	21.6
Change career choice	19.8	28.8	19.2	23.3
Fail one or more courses	1.5	.8	2.9	1.9
Graduate with honors	14.4	11.5	10.4	7.4
Be elected to student office	1.2	1.0	2.0	1.1
Join social fraternity or sorority	21.7	15.4	17.4	18.8
Be elected to an honor society	9.8	9.7	6.2	5.9
Make at least a "B" average	54.1	51.0	39.6	36.4
Need extra time to get degree	4.2	4.0	4.1	4.1
Work at outside job	21.7	30.0	26.5	30.5
Seek vocational counseling	11.3	19.8	13.3	16.7
Seek personal counseling	4.5	5.7	6.0	5.7
Enroll in honors course	20.2	24.0	11.8	11.6
Get a bachelor's degree	82.5	80.7	76.9	78.0
Drop out temporarily	1.7	2.6	1.8	2.2
Drop out permanently	.6	1.4	.6	.9
Transfer to another college	6.5	10.3	7.9	12.0
Enter armed services before graduation	1.8	.6	2.1	.8
Be satisfied with college	49.4	57.9	56.5	66.9
Be successful after graduation	24.6	15.5	21.9	12.7
Find job in own field after graduation	51.5	44.2	52.3	49.8
Get married while in college	6.5	6.6	7.1	9.5
Marry within a year after college	15.1	18.0	15.0	18.4
Adopt a child some day	9.7	30.3	9.8	30.5

Research Memorandum No. 142
June, 1973

A Profile of the University of Illinois 1972 Entering Freshman Class

Pam Hexner

Each year the American Council on Education (ACE) collects information via the Student Information Form (SIF) from the nation's institutions of higher education on characteristics of students entering college as first-time, full-time freshmen. The University of Illinois is one of the institutions participating in this study. National norms are provided for comparing University of Illinois freshmen against their national counterparts. The norm group for the University of Illinois consists of the 42 institutions, classified as universities, that took part in the ACE study.

This report is mainly concerned with ACE data for freshmen entering the University in the fall of 1972. Of a total of 5,998 entering freshmen, 4,599 completed the SIF. The report is divided into four sections: (1) an overall view of the entering freshman body; (2) differences between male freshmen and female freshmen; (3) differences between the students in the various colleges; and (4) trends over time (1970, 1971, 1972) in the characteristics of succeeding generations of freshmen. No attempt has been made to test for the statistical significance of any of the differences that will be discussed in this paper.

Overall View of 1972 Entering Freshmen

The picture that emerges of the 1972 freshman class is much like that of the 1971 freshmen (Stallings, 1972). Most (98.3%) are between the ages of 17 and 19 years, although they tend to be younger than their national counterparts. Five and one-half percent are Black, a proportion slightly higher than that of the national norms (3.5%). Almost half (45.3%) have been reared as Protestant, 34.4% as Catholic, and 8.8% as Jewish. In terms of religious preference at the time of entering the University, there are less choices of the three major religions with 35% preferring Protestantism, 27.2% Catholicism and 7.9% Judaism. One-fifth have no religious preference while only 3.8% were reared in no particular religion. A large percentage of University of Illinois freshmen (54.6%) have grown up in a large city or in a suburb of a large city, a considerably higher percentage than that represented in the national norms for universities (42.8%).

With respect to educational and occupational level, the parents of 1972 freshmen are comparable to those of the norm group, but they have higher incomes than nationally. Only 11.7% of the fathers and 9.1% of the mothers had less than a high school education while 63.1% and 49.6%, respectively, had varying amounts of college education. About 16% of the fathers and 5.3% of the mothers possessed graduate degrees. The distribution of father's occupation was similar to that provided in the national norms. The most frequently mentioned parental occupations were: businessman (36%); engineer (10.9%); skilled worker (9.8%); farmer or forester (5.9%); and semi-skilled worker (4.6%). Parental income was concentrated in the range from $10,000 to $25,000 (63.4%) with only 16.6% indicating incomes of less than $10,000. Compared to the national norms, higher percentages of the parents of University of Illinois freshmen have incomes that fall in the middle salary ranges ($12,500 to $40,000) but smaller percentages in the highest ranges and

and some of the lower salary ranges, except for salaries of less than $4,000 where the percentages match the national ones.

Freshmen attending the University of Illinois have higher academic qualifications than students represented in the national norms. Approximately 86% of the University of Illinois freshmen, as compared to 65.5% of the national sample, ranked themselves in the top quarter of their class. Similarly, 39% of the freshmen achieved an average grade of A- or better in high school, in contrast to 28.9% for the national sample. A large number (55.9% vs. 41.7% nationally) have also been a member of an honor society. In accord with their higher academic qualifications, these freshmen have relatively higher expectations of achieving at least a B average (52.8% vs. 39% nationally), of graduating with honors (13.2% vs. 9% nationally), and of enrolling in an honors course (21.8% vs. 11.7% nationally). Few anticipate that they will drop out of college either temporarily (2.1%) or permanently (.9%) though one-quarter estimate that they will change their major field and one-quarter believe that they will change their career choice. Although University of Illinois students are more academically qualified than their national counterparts, more of them perceive that they will need help in reading (17.5% vs. 10.4% nationally) but fewer freshmen anticipate a need for help in mathematics (25.9% vs. 33.2% nationally) and foreign languages (17% vs. 20.7% nationally).

The responses pertaining to educational aspirations are more difficult to interpret. Although aspirations for bachelor's degrees are lower for University of Illinois freshmen than nationally (30% vs. 38.4%), the reverse is true, though, to a small extent, for the master's degree (33.1% vs. 27.7%), Ph.D. or Ed.D. degree (12.9% vs. 11.5%) and M.D. degree (14.3% vs. 12.3%).

The primary reason for choosing to study at the University of Illinois pertains to the academic quality of the University (78.6% cite this as very important). Other important reasons include the desire to live away from home (34.8%), low tuition (22.4%) and special educational programs being offered here (20%).

The distribution of career choices for the freshmen is much like that of their national counterparts. The most frequently chosen occupations are: engineer (11.7%); doctor (10.8%); businessman (9%); artist (7.7%); lawyer (7.4%); and health professional (7.3%). The percentage selecting engineering as an occupation is higher than that shown in the national norms for universities, probably reflecting the fact that the University of Illinois has a very fine engineering school.

In terms of attitudes and values, this group of freshmen does not differ much from the national sample. The most frequently mentioned major objectives were: develop a philosophy of life (71.1%); be an authority in my field (60.2%); have friends different from me (60.1%); raise a family (59.2%); help others in difficulty (58.9%); have an active social life (55.1%); keep up with political affairs (53.6%). There is much agreement that the government is not controlling pollution (90.9%) and that it is not protecting the consumer (78.4%). There is, furthermore, substantial belief that the government is not desegregating quickly (51.2%), that there are too many rights for criminals (48.8%), that the wealthy should pay more taxes (71.5%), that marijuana should be legalized (54.8%), that large families should be discouraged (74.5%), and that women should get job equality (94.1%). There is little agreement that people should be paid equally (16.8%), and that women's activities are best in the home (27%). On issues pertaining to university control over student activities, there is little agreement. Many freshmen also believe that the benefit of college is monetary (54.3%) and that students should help evaluate faculty (80.2%).

On a few issues, freshmen opinions depart from the national norms. More freshmen at the University of Illinois than in the nation's universities are pessimistic about being able to change society (49.7% vs. 41.5%). Less freshmen agree that student publications should be regulated (16.4% vs. 23.9%), that college officials have the right to ban speakers (16.8% vs. 21%), that college officials have been too lax on student protests (31.7% vs. 36%), that an open admissions policy should be adopted (16.8% vs. 26.9%), or that the disadvantaged should be given preferential treatment (28.9% vs. 35.8%). Differences in political preference between University of Illinois freshmen and the norm group are small, with most describing themselves as liberal or middle-of-the-road (39.3% and 42.5%, respectively), only 14.9% considering themselves as conservative, 2.8% as far left, and 5% as far right.

Differences Between Male Freshmen and Female Freshmen

In these days of Women's Liberation, one question that data such as these should address themselves to is the question of the differential characteristics of male and female freshmen. Many of the responses of the females seem to fit the stereotype of women commonly held in our society.

The females appear to be more academically qualified. Almost 6% more females than males (89.6% vs. 83.9%) ranked themselves in the top quarter of their class. Similarly, 18.7% vs. 14% received an average grade of A or A+ in high school; 26.4% vs. 20.6%, A-; 29.1% vs. 27.9%, B+. For lower grades, the percentages of males exceeded the percentages of females. Despite these facts, there is a slight tendency for females to underestimate their ability and their chances of success. Three percent more males than females (14.4% vs. 11.5%) expect to graduate with honors, and 51% of the females vs. 54.1% of the males believe that they will make at least a B average. Similarly, for such items as "be successful after graduation" (15.5% females vs. 24.6% males) and "find job in own field after graduation" (44.2% vs. 51.5%) females are less optimistic than males. More females anticipate needing special help in mathematics (33.4% vs. 20.5%) and science (32.6% vs. 12.8%) but more females than males feel competent in English (10.2% vs. 21.4% expressing a need for special help), reading (15.4% vs. 19.1%) and foreign languages (14.8% vs. 18.6%).

Some sex differences appear in the choice of probable career occupation. For the males, the most frequently mentioned careers were: engineer (19%), doctor (12.6%), businessman (11.6%), and lawyer (10.3%). The choices for females were as follows: artist (12.6%), health professional (12.4%), doctor (8.2%), and secondary educator (8.2%). More females (17.7%) than males (9.2%) were undecided. Some noticeable departures of male and female career choices from their respective national norms for universities are visible. For males, the only discrepancy is the large number of University of Illinois freshmen selecting engineering as a career (19% vs. 11.8%). For females, doctor was more frequently mentioned (8.2% vs. 5.1%), while the careers of elementary teacher and nurse were less frequently selected than in the national norms for universities (4.6% vs. 8.1% and 2.7% vs. 7.4%, respectively).

Some rather interesting sex differences appear in the list of objectives considered very important. Items pertaining to professional and monetary success were subscribed to by a larger percentage of males than females, while items pertaining to creativity and involvement with other people were relatively more important to the females. Thus, relatively more males than females considered it important to: obtain recognition from peers (40.3% vs. 34.3%); be an expert in finance (21.8% vs. 8.5%); be administratively responsible (26.3% vs. 16.5%); be very well off financially (49.2% vs. 29.6%); contribute to scientific theory (19.7% vs. 11%); succeed in my own business (52.5% vs. 33%). Females espoused, to a greater degree, such items as: achieve in a performing art (18.8% vs. 10.3%); help others in difficulty (67.6% vs. 52.6%); write original works (20.8% vs. 13.4%); create works of art (29% vs. 15%); develop a philosophy of life (77.1% vs. 66.9%) and participate in community action (27.3% vs. 20.4%).

Differences Between Students in the Various Colleges

An examination of the results for the various colleges discloses some interesting differences between them. Perhaps the most noticeable differences occur in the composition of the colleges according to sex. Commerce, Engineering, and Aviation are dominated by males (79.8%, 95.4%, and 88.4%, respectively), while females are about equally represented in Liberal Arts (51.4%), Agriculture (50.2%) and Fine Arts (44.4%) and dominate in Education (90.8%) and Physical Education (77.6%).

In terms of high school grades, freshmen entering the College of Liberal Arts are more academically qualified than their counterparts in other colleges. Almost 94% ranked in the top quarter of their class and 52.8% earned an average grade of A- or better. The corresponding figures for the other colleges are shown in Table 1.

Table 1

Academic Qualifications	Colleges						
	Com.	Eng.	Agr.	Avi.	Educ.	F.A.A.	P.E.
Rank in top quarter	68.8	84.6	75.1	67.4	82.8	88.4	66.4
Grade of A- or better	18.2	31.3	19.7	20.9	36.7	30.3	14.3

There also appears to be some relationship between the occupation of the father and the college in which the freshman is registered. In Commerce, 50.5% of the fathers of freshmen are businessmen, compared to 35.3% for the national norms for universities and 36% for all University of Illinois entering freshmen. Similarly, 21.2% of the fathers of freshmen registered in Engineering are engineers. The corresponding figure for the norms is 10% and for all University of Illinois new freshmen, 10.9%. About 24% of those in Agriculture have fathers who are foresters or farmers, although in the norms the percentage is 5.3 and for all University of Illinois freshmen it is 5.9. However, there is no discernible relationship between parental occupation and the college in which the freshman is registered for the colleges of Liberal Arts, Education, Aviation, Fine Arts and Physical Education.

Trends Over Time

Perhaps one of the most relevant questions that can be posed of data such as these is, "What are the changes in the characteristics, educational plans and attitudes of succeeding generations of freshmen at the University of Illinois?" The data are available for 1970, 1971, and 1972 freshmen.

The present freshmen differ very little from previous freshmen in terms of personal characteristics. The most significant area of change is that of educational plans. There is a slight increase in the percentage of students seeking a bachelor's degree, from 27% in 1970 to 29.4% in 1971 to 30% in 1972. More significant, however, is the drop in the number of students planning master's and doctorate degrees. For the master's degree, the drop is from 40.3% to 38.1% to 33.1%. Similarly, for the Ph.D. and Ed.D. degrees, the numbers are 16.4%, 14.1% and 12.9%.

More of the current freshmen express a "major concern" about financing college (15.2% for 1972 compared to 10.6% for 1971 and 9.5% for 1970). These data are paralleled by the decline in the number of students who expect to receive scholarships and grants (36.5% for 1971 vs. 28% for 1972). [No data are available for 1970.] Each of the other categories of major sources of financial aid shows a small increase.

Some rather interesting changes can be seen in response to questions about probable career occupations and probable areas of study. There is a noticeable decline in the percentage of freshmen selecting education as a probable major field of study. In 1970, 9.5% chose education; in 1971, 6.1%; in 1972, only 3.8%. The decline in the number of students electing engineering is also worthy of note, dropping from 26.3% to 16.6% to 13.2%. The only field of study showing a substantial increase is pre-professional, which rose from 7.9% to 14.2% to 17.3%. The trends for probable career occupation are very similar to those noted for probable major field of study. Again, elementary and secondary education are less often mentioned in 1972 than in the two previous years (9.9% in 1970, 6.6% in 1971 and 4.2% in 1972 for secondary education; 5%, 3.7% and 1.9% for elementary education). These figures probably reflect the over supply of teachers. There is also a decline in the choice of engineering (from 15.9% in 1970 to 15.3% in 1971 to 11.7% in 1972), though the decline is much less than that observed for engineering as a major field of study. Choice of law and medicine have increased slightly (from 5.7% to 6.9% to 7.4%; and from 6.8% to 6.7% to 10.8%, respectively).

The attitudes and objectives of freshmen have not changed much since 1970. There remains a major concern about the government's control of pollution, consumer protection, job equality for women and much agreement that the university should not regulate the activity of students. There have been some minor fluctuations in the list of very important objectives, but no major trends are evident.

To sum up the discussion of the trends since 1970, the most important changes are the decreased amount of money available from grants and scholarships for study, the decline in the percentage of students planning master's and doctorate degrees, and the move away from education and engineering both as a major field of study and as a probable career choice. The causes of the changes cannot be determined from the available data.

Reference

Stallings, Wm. A profile of the U. of I. 1971 Entering Freshman Class, Research Memorandum #126, Urbana, Illinois: Measurement and Research Division, Office Instructional Resources, University of Illinois, 1972.

Appendix E

User's Manual

USER'S MANUAL FOR INFORMATION EXECUTIVE AS IMPLEMENTED AT THE UNIVERSITY OF ILLINOIS

A. Description of output

Output from the information executive consists of:

1. A summary of requested criterion conditions obtained from the control specification card
2. The number of valid cases, i.e., records which meet all criterion conditions
3. A PLORTS interactive file of requested output variables from those valid cases
4. (Optional) A printed listing of the output file

B. Order of Cards

1. Job and ID cards
2. a. `// EXEC PL1XLDGO PARM.PL1='NA,NX,NS,NOP',REGION.GO=150K`
   b. `//PL1.SYS1N DD *`
3. Source listing
4. a. `/*`
   b. `//GO.SYS1N DD *`
5. Parameter card
6. Control variable specification card(s)
7. Output variable specification card(s)
8. Stop card
9. Data cards
10. `/*`
11. a. `//GO.PLORTS DD DSN=&A,UNIT=DISK,DISP=(,PASS),`
    b. `// SPACE=(TRK,(10,2)),DCB=(LRECL=80,BLKSIZE=3520,RECFM=FB)`
12. a. `// EXEC FILE`
    b. `//A DD DSN=&A,DISP=(OLD,DELETE)`
    c. `//SYS1N DD *`
13. File transmission card
14. `/*`

C. Card Preparation

1. Job and ID cards are system - specific
2. The parameter card specifies the number of control variable specification cards, the number of output variables and whether or not the output file is to be printed. It takes on the following format:

#CONTROLLED = i   #OUTPUT = j   SUPPRESS = k;

where i is the # of controlled variable specification cards, j is the number of output variable and k is either 1 or 0 depending on whether or not suppression of printing of the output file is desired (1 = suppress, 0 = not suppress). The various items on the parameter card may appear in any order as long as they are separated by at least one space. For example, the following cards are valid:

#OUTPUT = 3   #CONTROLLED = 4   SUPPRESS = 0

SUPPRESS = 1   #OUTPUT = 2   #CONTROLLED = 1;

In any case, the final character on the parameter card must be a semicolon.

3. The control variable specification cards lists which variables are to be controlled, criterion values of these variables and mode of comparison. The general format of the 1st control card is:

col 1	col 7	col 10	col 20	col 30
CONTROL		XXX	Y	ZZZ

where XXX is a three digit number beginning in col 10 which gives the number of the variables to be controlled (see User's Manual for Statistical Analysis and Report Generator)

Y is a special character in col 10 which can be either "=","<" or ">"

ZZZ is a three digit number beginning in col 30

No Blanks. If either XXX or ZZZ is less than three digits long, leading zeros must be added; i.e., XXX may equal 029, but not 29

Only the first control card need have the words "Control" typed in col 1-6

Example: Suppose variable 128 takes on values between 1 and 3 and variable 26 takes on values between 1 and 5. In order to select those people who scored 1 on var. 128 and at least 2 on var. 026, the following cards could be used.

	1	7	10	20	30
Card 1	Control		128	=	001
Card 2			026	=	002
Card 3			026	>	002

Alternatively and more simply, the following two cards could be substituted, since var. 026 > 2 is equivalent to var. 026 > 1

	1 7	10	20	30
Card 1	Control	128	=	001
Card 2		026	>	002

Suppose that one wished to pick out those people who received scores of either 2 or 4 on variable 26, Then:

	1 7	10	20	30
Card 1	Control	026	=	002
Card 2		026	=	004

In order to select cases with scores of 2 through 4 inclusive on var. 026, the following procedures could be used:

	1 7	10	20	30
Card 1	Control	025	>	001
Card 2		026	<	005

or

Card 1	Control	026	=	002
		026	=	003
		026	=	004

4. The 1st output variable specification card has the following format

1 6	10
OUTPUT	XXX

where XXX is a three digit number designating a variable which is to appear in the output file. XXX must have three digits; leading zeroes should be added if necessary. The word "output" is required on the first card only: col 1-6 of subsequent output variable cards may be left blank. For example, if variables 2, 35 and 712 are to be written onto an output file, the following control cards are necessary:

1 6	10
OUTPUT	002
	035
	712

5. The stop card indicates that all output variable cards have been read in. It is blank except for the work "stop" typed in col 1-4.

1 4

STOP

6. The file transmission card specifies which PLORTS file will receive the output data. Its format is:

Col 1

DD=A,PS=X,NAME=Y,DEST=Z,PRINT=ANS

where X is the user's problem specification number, Y is the user's code word, Z is the name of the PLORTS file. Z must begin with a letter and may contain no more than eight characters

ANS=YES or NO depending on whether a printed listing of the PLORTS file is desired.

USER'S MANUAL FOR STATISTICAL ANALYSIS AND REPORT GENERATOR

The description of the output XBARSD, PEARSON, FREQ1 and FREQ2 was given previously and they are summarized below. Since the programs are interactive, once a program is loaded and begins execution, the user is prompted by the program to input the parameters in the proper manner.

NAME	OUTPUT
XBARSD	mean, standard deviation
PEARSON	means, standard deviations, Pearson product-moment correlation
FREQ1	one-way frequency tabulation with row, column and total percentages, mean, standard deviation
FREQ2	two-way frequency tabulation with row, column and total percentages, minima, maxima, means, standard deviations, Pearson product-moment correlation, Fisher's exact test, chi-square, Cramer's V, phi, contingency coefficient, Kendall's tau B and Kendall's tau C

Control Information to Access Programs and PLORTS File

At the University of Illinois the statistical programs may be accessed by the standard method of execution of an interactive program as described in the "PLORTS Guide" written by CSO.

If the interactive programs are going to be executed on a system other than PLORTS, they may have to be modified.

Included is a magnetic tape containing the source decks for all the interactive programs and the information executive.

One-Way Analysis of Variance Program for PLORTS (File Name - "ANV1WAY")

A. Output

1. Group sample sizes, means, standard deviations for all included in the analysis.
2. One-Way Analysis of Variance (ANOVA) table which contains the following:
    a. Between, within, and total sums of squares (SS)
    b. Between, within, and total degrees of freedom (DF)
    c. Between and within mean squares (MS)
    d. F-ratio (F)
    e. Probability of attaining an F-ratio as large or larger than the one in question, if the null hypothesis is true (P)
    f. Omega-squared statistic

3. Number of missing observations (total observations within included groups for which the variable response is either "00" or "Blank")

4. Number of observations not included in the analysis [total observations (including missing observations) in those groups which the program user specifically excludes]

B. Terminal Input Form User

1. Name of factor (variable)

    a. Must be 20 characters or less

2. Format for reading from PLORTS file "DATA1" (storage file for subjects' data) the following

    a. Group number in I format

    b. Variable response in F format example - (/2X, I1, 4X, F2.0//)

3. "Yes/No" response to question of whether all groups are to be included in the One-Way ANOVA

4. If the answer to the preceding question is "NO", then the user specifies the total number of groups (and their group numbers) to be included

5. Upon completion of the ANOVA table output, a "Yes/No" response is required to the question of whether a One-Way ANOVA is desired for another variable

6. If the answer to the preceding question is "Yes", then the terminal input needed from the user for analysis of the new variable are parts 1-5 of Section B

C. Restrictions, Points of Interest

1. Program written in Call 360/OS-FORTRAN (REAL *8 precision)

2. Total observations for included and excluded groups must not exceed 1000

3. If the user answers "Yes" to the question of whether all groups are to be included in the analysis, then the number of groups must not exceed 10, and the group numbers must be from among the 1-10 inclusive

4. If the user answers "No" to the same question, then the number of included groups must not exceed 10, but the group numbers may be any integers

5. If the user wishes to have all groups included, but several (or all) group numbers fall outside the 1-10 range of integers permitted, he should answer "No" to the question of group inclusion (even though a "Yes" response would seem to be appropriate) and proceed to list the group numbers for all his groups when they are requested

6. As the program is now written, the group number must be read first in the "READ" statement, followed by the variable response. The use of T format circumvents this restriction in most situations where the variable precedes the group number

7. The "READ" statement uses execution-time format.

Multiple Correlation Program for PLORTS (File Name - "MULTCOR")

A. Output

   1. Number of observations included in the analysis (those observations for which none of the predictors or criterion is either "0.0" or "blank")
   2. Number of missing observations (those observations for which at least one of the predictors or criterion is either "0.0" or "blank")
   3. Means and standard deviations of all variables read with format statement
   4. Correlation matrix of all variables read with the format statement (if the total does not exceed nine)
   5. Multiple correlation coefficient, R
   6. Percent variation explained (R^2 times 100)
   7. Standard deviation of residuals (standard error estimate)
   8. Determinant value of predictor correlation matrix
   9. For each predictor variable, the following:
      a. Beta weight (standardized regression coefficient)
      b. Raw score weight (unstandardized regression coefficient)
      c. Standard deviation (standard error) of beta weight
      d. Standard deviation (standard error) of raw score weight
      e. T-value for regression coefficient
   10. Regression constant
   11. Analysis of variance (ANOVA) table which includes the following:
      a. Regression, residual, and total sums of squares (SS)
      b. Regression, residual, and total degrees of freedom (DF)
      c. Regression and residual mean squares (MS)
      d. F-ratio (F)

B. Terminal Input from User

   1. Number of variables (predictors and criterion) to be read with format statement
   2. Format for reading from PLORTS file "DATA1" (storage file for subject's data) all predictor variables and the criterion variable (in any order)
   3. "Yes/No" response to question of whether all variables in the format statement are to be included in the regression analysis
   4. If the answer to the preceding question is "No", then the user specifies the total number of predictor variables (and their numbers - order of input within format statement) to be included
   5. Criterion variable number (its order in the format statement)

6. Upon completion of the ANOVA table output, a "Yes/No" response is required to the question of whether another regression analysis is desired for the variables (or a subset of these variables) read with the format statement

7. If the answer to the preceding question is "Yes", then the terminal input needed from the user for the new regression analysis are parts 3-6 of Section B

C. Restriction, Points of Interest

1. Program written in col 360.OS-FORTRAN (REAL *8 precision)

2. A maximum of 15 predictor and one criterion variables may be read with the format statement

3. If, for a given subject, any of the predictor or criterion variables included in the regression analysis is either "0.0" or "Blank" then all variables for that observation are disregarded (subject becomes a missing observation)

4. The "READ" statement for predictor and criterion variables uses execution format with an array capable of storing a 68-character string. The array would need to be expanded to accommodate format lists exceeding 68 characters

Appendix F

Institutions Participating in the ACE and Illinois Senior Survey

INSTITUTIONS PARTICIPATING IN THE ACE AND ILLINOIS SENIOR SURVEY

Institution	Location
Augustana College	Rock Island
Black Hawk College	Moline
Bradley University	Peoria
Chicago State University	Chicago
George Williams College	Downers Grove
Illinois Institute of Technology	Chicago
Kishwaukee College	Malta
Lake Forest College	Lake Forest
Lewis and Clark Community College	Godfrey
Lincoln College	Lincoln
Loop Junior College	Chicago
Loyola University	Chicago
MacMurray College	Jacksonville
Monmouth College	Monmouth
National College of Education	Evanston
Northwestern University	Evanston
Prairie State College	Chicago Heights
Rockford College	Rockford
Saint Xavier College	Chicago
Southern Illinois University	Carbondale
Southern Illinois University	Edwardsville
Springfield College	Springfield
University of Illinois	Urbana-Champaign
Western Illinois University	Macomb
Wilbur Wright College	Chicago

Appendix G

Survey Materials

SURVEY RESEARCH LABORATORY **UNIVERSITY OF ILLINOIS**

Urbana-Champaign
Chicago Circle

April, 1973

Dear Illinois Graduate:

In cooperation with the State of Illinois Bureau of the Budget, we are conducting a survey of Illinois graduates at a selected number of two-year and four-year colleges. Your name has been drawn as part of a statistically representative sample of students in the State of Illinois.

The questionnaire asks for information on your college experience and your reactions to it, some biographical information, and your plans for the future. The purpose of this study is to determine the career plans of college graduates so that Illinois colleges may intelligently evaluate their curriculums.

The enclosed answer sheet has been designed to be filled out easily. Please be sure you use a #2 1/2 or darker lead pencil to mark the appropriate answers. For some questions you may have to write in a word when the printed answers do not apply to you.

The serial numbers coded in the answer sheets will be used only for keeping track of questionnaire returns. Your answers will be kept completely confidential and will not be identified with you in any way. The answer sheets will be machine scored and the data file we maintain will not include your name.

On the back of this cover letter is a list of "Fields of Study" which will be needed to answer Question 19.

Return the answer sheet only in the self-addressed envelope.

Thank you in advance for your cooperation.

Sincerely,

Joe L Spaeth

Joe L. Spaeth
Research Associate Professor

JLS:bf
Enclosure

URBANA OFFICE: 414 DAVID KINLEY HALL, URBANA, ILLINOIS 61801 · (217) 333-4273

List of Fields for Question 19

Please darken the two-digit number of the appropriate field in the space provided on the answer sheet.

ARTS AND HUMANITIES

01	Architecture
02	English (literature)
03	Fine Arts
04	History
05	Journalism (writing)
06	Language (modern)
07	Language (other)
08	Music
09	Philosophy
10	Speech and drama
11	Theology
12	Other
13	Double Major in Arts and Humanities

BIOLOGICAL SCIENCE

21	Biology (general)
22	Biochemistry
23	Biophysics
24	Botany
25	Physiology
26	Zoology
27	Other
29	Double Major in Biological Sciences

BUSINESS

31	Accounting
32	Advertising
33	Business administration
34	Electronic data processing
35	Secretarial studies
36	Other
39	Double Major in Business

ENGINEERING

41	Aeronautical
42	Civil
43	Chemical
44	Electrical
45	Industrial
46	Mechanical
47	Other
49	Double Major in Engineering

PHYSICAL SCIENCE

51	Chemistry
52	Earth science, Geology
53	Mathematics
54	Physics
55	Statistics
56	Other
59	Double Major in Physical Science

PROFESSIONAL

61	Health Technology (medical, dental, laboratory)
62	Nursing
63	Pharmacy
64	Predentistry or Dentistry
65	Prelaw or Law
66	Premedical or Medicine
67	Preveterinary or Veterinary Medicine
68	Therapy (occupat., Physical, speech)
69	Other

SOCIAL SCIENCE

71	Anthropology
72	Economics
73	Education
04	History
74	Political Science (government, int. relations)
75	Psychology
76	Social work
77	Sociology
78	Other
79	Double Major in Social Science

OTHER FIELDS

81	Agriculture
82	Communications (radio, T.V., etc.)
83	Computer Science
84	Environmental Science
85	Electronics (technology)
86	Forestry
87	Home Economics
88	Industrial Arts
05	Journalism
89	Library science
90	Military science
91	Physical education and recreation
92	Other (technical)
93	Other (nontechnical)
94	Undecided
96	Double Major in other areas

SURVEY RESEARCH LABORATORY **UNIVERSITY OF ILLINOIS**

Urbana-Champaign Chicago Circle

May, 1973

Dear Illinois Graduate:

Though response to the questionnaire on career plans has been good, we have not, as yet, received one from you. May we urge you to fill out the answer sheet and return it as soon as possible? Enclosed is another questionnaire and answer sheet, in case you have misplaced the first one we sent.

May we remind you that because your name was drawn from among the thousands of Illinois college students, your response is vital to the conclusions of this study. And, the conclusions of this study should have a major impact on the curriculums of institutions of higher education in Illinois.

Let me assure you again that your answers are absolutely confidential and are used for statistical analysis only. Your responses will not be identified with you in any way.

Please use the list of "Fields of Study" on the back of this sheet to answer Question 19.

Return the answer sheet only in the self-addressed envelope.

Thank you again for your cooperation.

Sincerely yours,

Joe L. Spaeth

Joe L. Spaeth
Research Associate Professor

JLS:bf
Enclosure

URBANA OFFICE: 414 DAVID KINLEY HALL, URBANA, ILLINOIS 61801 · (217) 333-4273

List of Fields for Question 19

Please darken the two-digit number of the appropriate field in the space provided on the answer sheet.

ARTS AND HUMANITIES

01	Architecture
02	English (literature)
03	Fine Arts
04	History
05	Journalism (writing)
06	Language (modern)
07	Language (other)
08	Music
09	Philosophy
10	Speech and drama
11	Theology
12	Other
13	Double Major in Arts and Humanities

BIOLOGICAL SCIENCE

21	Biology (general)
22	Biochemistry
23	Biophysics
24	Botany
25	Physiology
26	Zoology
27	Other
29	Double Major in Biological Sciences

BUSINESS

31	Accounting
32	Advertising
33	Business administration
34	Electronic data processing
35	Secretarial studies
36	Other
39	Double Major in Business

ENGINEERING

41	Aeronautical
42	Civil
43	Chemical
44	Electrical
45	Industrial
46	Mechanical
47	Other
49	Double Major in Engineering

PHYSICAL SCIENCE

51	Chemistry
52	Earth science, Geology
53	Mathematics
54	Physics
55	Statistics
56	Other
59	Double Major in Physical Science

PROFESSIONAL

61	Health Technology (medical, dental, laboratory)
62	Nursing
63	Pharmacy
64	Predentistry or Dentistry
65	Prelaw or Law
66	Premedical or Medicine
67	Preveterinary or Veterinary Medicine
68	Therapy (occupat., Physical, speech)
69	Other

SOCIAL SCIENCE

71	Anthropology
72	Economics
73	Education
04	History
74	Political Science (government, int. relations)
75	Psychology
76	Social work
77	Sociology
78	Other
79	Double Major in Social Science

OTHER FIELDS

81	Agriculture
82	Communications (radio, T.V., etc.)
83	Computer Science
84	Environmental Science
85	Electronics (technology)
86	Forestry
87	Home Economics
88	Industrial Arts
05	Journalism
89	Library science
90	Military science
91	Physical education and recreation
92	Other (technical)
93	Other (nontechnical)
94	Undecided
96	Double Major in other areas

SURVEY RESEARCH LABORATORY **UNIVERSITY OF ILLINOIS**

Urbana-Champaign
Chicago Circle

June, 1973

Dear Illinois Graduate:

May we remind you once again to complete and return your senior survey questionnaire? The results of this survey, which can have a significant effect on higher education in Illinois, depend to a great extent on your cooperation.

Your responses will be absolutely confidential; the answer sheets will be machine scored and not identified with you in any way.

Please use the list of "Fields of Study" on the back of this sheet to answer Question 19.

Return the answer sheet only in the self-addressed envelope.

Thank you again for your cooperation.

Sincerely yours,

Joe L Spaeth
Joe L. Spaeth
Research Associate Professor

JLS/dz

URBANA OFFICE: 414 DAVID KINLEY HALL, URBANA, ILLINOIS 61801 · (217) 333-4273

List of Fields for Question 19

Please darken the two-digit number of the appropriate field in the space provided on the answer sheet.

ARTS AND HUMANITIES

01 Architecture
02 English (literature)
03 Fine Arts
04 History
05 Journalism (writing)
06 Language (modern)
07 Language (other)
08 Music
09 Philosophy
10 Speech and drama
11 Theology
12 Other
13 Double Major in Arts and Humanities

BIOLOGICAL SCIENCE

21 Biology (general)
22 Biochemistry
23 Biophysics
24 Botany
25 Physiology
26 Zoology
27 Other
29 Double Major in Biological Sciences

BUSINESS

31 Accounting
32 Advertising
33 Business administration
34 Electronic data processing
35 Secretarial studies
36 Other
39 Double Major in Business

ENGINEERING

41 Aeronautical
42 Civil
43 Chemical
44 Electrical
45 Industrial
46 Mechanical
47 Other
49 Double Major in Engineering

PHYSICAL SCIENCE

51 Chemistry
52 Earth science, Geology
53 Mathematics
54 Physics
55 Statistics
56 Other
59 Double Major in Physical Science

PROFESSIONAL

61 Health Technology (medical, dental, laboratory)
62 Nursing
63 Pharmacy
64 Predentistry or Dentistry
65 Prelaw or Law
66 Premedical or Medicine
67 Preveterinary or Veterinary Medicine
68 Therapy (occupat., Physical, speech)
69 Other

SOCIAL SCIENCE

71 Anthropology
72 Economics
73 Education
04 History
74 Political Science (government, int. relations)
75 Psychology
76 Social work
77 Sociology
78 Other
79 Double Major in Social Science

OTHER FIELDS

81 Agriculture
82 Communications (radio, T.V., etc.)
83 Computer Science
84 Environmental Science
85 Electronics (technology)
86 Forestry
87 Home Economics
88 Industrial Arts
05 Journalism
89 Library science
90 Military science
91 Physical education and recreation
92 Other (technical)
93 Other (nontechnical)
94 Undecided
96 Double Major in other areas

Dear Illinois Senior:

Your responses are essential for the Illinois Senior Survey to have maximum impact on Illinois higher education. Please return your completed questionnaire as soon as possible

Please accept our thanks if you have already returned your questionnaire. Thank you in advance for your cooperation if you have not.

Joe L. Spaeth

Joe L. Spaeth
Research Associate Professor

SURVEY RESEARCH LABORATORY
UNIVERSITY OF ILLINOIS

4/73
Study 153

ILLINOIS SENIOR STUDY

GENERAL MARKING INSTRUCTIONS:

1. USE THE ENCLOSED ANSWER SHEET FOR ALL RESPONSES.
2. DARKEN ONE RESPONSE FOR EACH QUESTION UNLESS OTHERWISE INDICATED.
3. PLEASE USE PENCIL ONLY (#2 1/2 OR DARKER).
4. ERASE ANY CHANGED ANSWER COMPLETELY.
5. RETURN ONLY THE ANSWER SHEET IN THE SELF ADDRESSED ENVELOPE.

SAMPLE QUESTION:

ARE YOU A HIGH SCHOOL GRADUATE?
Y = YES
N = NO

ON THE ANSWER SHEET, MARK:

▬ [N]

---

1. This term are you:

F = Full-time student
P = Part-time student
N = Not a student

2. Are you:

M = Male
F = Female

3. How old are you?

Darken in age in years

4. Are you:

M = Married
N = Never married
D = Divorced, separated or widowed

5. When do you plan to graduate from your present college?

Semester:
A = Fall
B = Spring
C = Summer

Quarter:
D = Fall
E = Winter
F = Spring
G = Summer

Year
3 = 1973
4 = 1974
5 = 1975
6 = 1976 or later

6. Are you:

W = White/Caucasian
B = Black/Negro/Afro-American
O = Oriental
C = Chicano/Mexican-American
P = Puerto Rican/Latin American
X = Other *(Specify on answer sheet)*

7. Please estimate your grade point average for: (A) High school, (B) your overall undergraduate career, and (C) your undergraduate major.

8. Where was the last high school you attended?

IN ILLINOIS
A = Chicago, Inner City
B = City of Chicago, Other
C = Chicago Suburb
D = Northern, Urban
E = Northern, Rural
F = Central, Urban
G = Central, Rural
H = Southern, Urban
I = Southern, Rural
OUT OF STATE
J = Urban
K = Rural

9. Did you decide on the career you will be pursuing, in:

G = Grammar school
H = High school
M = Military service
W = A job I held
F = College, as Freshman/Sophomore
J = College, as Junior/Senior
U = Still undecided

10. How well is your university/college preparing you for your career?

E = Extremely well
F = Fairly well
N = Not too well
P = Very poorly
U = No career plans yet

11. How do you assess your chances of finding work related to your area of interest?

Column "A" in short run
Column "B" in long run

1 = Very promising
2 = Somewhat promising
3 = Somewhat discouraging
4 = Very discouraging

12. Are any of your close relatives in the career occupation you plan to enter?

Y = Yes
N = No

13. What is your overall evaluation of your present university/college?

1 = Very satisfied
2 = Satisfied
3 = On the fence
4 = Dissatisfied
5 = Very dissatisfied

14. How important was each of the following reasons to your decision to attend this university/college?

Please mark for each item:

V = Very important
S = Somewhat important
N = Not important

a) My parents wanted me to attend here
b) Its high academic reputation
c) A good friend went here
d) Low tuition
e) I was not accepted anywhere else
f) I wanted to live away from home
g) I thought I would have more fun here
h) I wanted to live at home
i) This school had a study program not available elsewhere

15. Rate the following aspects of your university/college this year?

Please mark for each item:

E = Excellent
G = Good
F = Fair
P = Poor
D = Does not apply

a) Quality of classroom teaching
b) Curriculum and course offering
c) Personal contact with the faculty
d) Research facilities and opportunities (e.g., library, computer)
e) Student housing
f) Caliber of the students
g) Knowledge and professional standing of the faculty
h) Student participation in policy decisions
i) Meeting different kinds of people

---

16. For each of the items below mark the responses for the course you took most closely related to the occupation you plan to enter.

Please mark for each item:

SA = Strongly agree
A = Agree moderately
D = Disagree moderately
SD = Strongly disagree

a) I would take another course taught this way
b) The instructor seemed to be interested in students as persons
c) It was easy to remain attentive
d) Not much was gained by taking this course
e) I learn more when other teaching methods are used
f) The course material seemed worthwhile
g) The instructor demonstrated a thorough knowledge of the subject matter
h) It was quite interesting
i) Excellent course content
j) Overall, the course was good

Items taken from the Illinois Course Evaluation Questionnaire (Form 72) Board of Trustees of the University of Illinois, 1972

17. How important would each of the following be to you in selecting a job or career:

Please mark for each item:

G = Great importance
S = Some importance
L = Little importance
N = No importance

a) Making a lot of money
b) Opportunities to be creative and original
c) Live in a place where both my spouse and I will be able to find meaningful work
d) Opportunities to be helpful to others and useful to society
e) Avoiding a high pressure job which takes too much out of you
f) Opportunities for moderate but steady progress rather than extreme success or failure
g) Opportunity to work with people rather than things
h) Freedom from supervision
i) A stable, secure future
j) A chance to establish a successful business of my own
k) Obtaining position with excellent retirement benefits

---

18. Please rate yourself on each of the following traits as you really think you are when compared with the average student of your own age:

Please mark for each item:

1. If you are in the highest 10%
2. If you are above average
3. If you are about average
4. If you are below average
5. If you are in the lower 10%

a) Academic ability
b) Artistic ability
c) Mathematical ability
d) Originality
e) Understanding of others
f) Writing ability
g) Self confidence: intellectual
h) Self confidence: social
i) Sociability and friendliness
j) Drive to achieve
k) Apprehension about the future

19. Please read the list of fields on the back of the cover letter and darken the appropriate code number for each of the following columns:

Column A: Your first major
Column B: Your current major
Column C: The major you would like to be in now
Column D: The department in which you will enroll if you attend graduate school
Column E: The field you expect to be your long-run career
Column F: The field of the long-run career you would like

NOTE: Please darken response to each column even if fields duplicate.

20. What are your plans for next fall? What are the plans of most of your friends after graduation?

Darken your plans in Column "A"
Darken your friends' plans in Column "B"

The plans are:

A = Continue schooling
B = Start work
C = Search for work
D = Military service
E = Peace Corps/Vista/etc.
F = Travel
G = Non-employed housewife
H = Not definite

21. What is the highest academic degree you intend to obtain?

1 = Associate (A.A., A.S. or equivalent)
2 = Bachelors (B.A., B.S., etc.)
3 = Masters degree (M.A., M.B.A., etc.)
4 = Ph.D. or Ed.D.
5 = M.D., D.O., D.D.S., D.V.M. (Medicine)
6 = Ll.B. or J.D. (Law)
7 = B.D. (Divinity)
8 = Other *(Specify on answer sheet)*

22. Do you plan to enroll in graduate or professional school?

A = Yes, immediately after completing college
B = Yes, but not immediately after college
C = Yes, as soon as I am accepted somewhere
D = Not sure
E = No *(If No, darken response and skip to Question 26)*

23. To how many graduate institutions did you apply for admission? How many acceptances have you had?

Column "A"	*Column "B"*
Number of applications	*Number of acceptances*

If you have applied to no institutions mark 0 in Column A and B and skip to Question 26

24. On the answer sheet, please print:

The graduate or professional school you plan to attend

25. Would you have preferred another graduate institution?

Y = Yes
N = No

26. What was your total expenditure for this academic year (1972-73)? (Include tuition, fees, books, room, board, entertainment, all expenses)

Mark:

1 = Under $1,000
2 = $1,001-$1,500
3 = $1,501-$2,000
4 = $2,001-$2,500
5 = $2,501-$3,500
6 = $3,501-$5,000
7 = $5,001-$7,500
8 = Over $7,501

27. What was your parental family's total income in 1972? (Consider annual income from all sources before taxes.)

Mark:

A = Under $2,999
B = $3,000-$5,999
C = $6,000-$7,999
D = $8,000-$9,999
E = $10,000-$12,499
F = $12,500-$14,999
G = $15,000-$19,999
H = $20,000-$24,999
I = $25,000-$29,999
J = $30,000-$39,999
K = Over $40,000

28. The predominant national background of:

Column "A"	*Column "B"*
Your mother's family	*Your father's family*

Darken one response in each column:

A = English, Scotch, Welsh, Canadian, Australian, New Zealand
B = Irish
C = German, Austrian, Swiss
D = Scandinavian
E = Italian
F = French, French Canadian, Belgian
G = Polish
H = Russian and other Eastern European
I = American Negro/Afro-American
J = Spanish, Portugese and Latin American
K = Chinese, Japanese, Indian and other Asian
L = Other *(Specify on answer sheet)*

29. What is the highest level of formal education obtained by your parents:

Please mark for your mother in Column "A" and for your father in Column "B"

0 = Grammar school or less
1 = Some high school
2 = High school graduate
3 = Some college
4 = College graduate
5 = Postgraduate degree

30. Mark in the appropriate column the religion in which you were reared and your current religious preference:

Column "A" *Religion in which reared*	*Column "B"* *Current preference*

P = Protestant
C = Roman Catholic
J = Jewish
N = None
O = Other *(Specify on answer sheet)*

---

31. How frequently did your parents attend religious services when you were in high school? How frequently do you now attend religious services?

Column "A" *Mother*	*Column "B"* *Father*	*Column "C"* *You*

W = Weekly, almost no exception
S = Several times a month
O = Once a month
T = Two or three times a year
N = Never

---

32. How many of your grandparents were born in the United States?

---

33. Please carefully read instructions before answering:

1. *Read the list of occupations below*
2. *Note the adjacent code number for each occupation*
3. *In the appropriate column, darken the code number which corresponds to:*

Column A = Your probable career occupation
Column B = Your mother's occupation when you were 16 years old
Column C = Your father's occupation when you were 16 years old

NOTE: If your mother or father was deceased or retired, please indicate their last occupation.

OCCUPATIONS

01	Accountant or Actuary
05	Actor or Entertainer
08	Architect
13	Artist
16	Business (Clerical)
19	Business (Executive)
20	Business (Management, Administrative)
22	Business (Owner or Proprietor)
24	Business (Salesman or Buyer)
28	Clergyman
30	Clinical Psychologist
32	College Teacher
34	Computer Programmer
36	Conservationist or Forester

34. After completing your studies who do you expect to be: *(Darken one response in each column)*

Your first employer in Column "A"
Your long-run future employer in Column "B"

Government:
A = Federal
B = State or local

Education:
C = Elementary or secondary
D = Higher education

Non-Profit organizations:
E = Hospital
F = Clinic
G = Social Welfare
H = Church
I = Other

Business:
J = Self-employed or family firm
K = Private company or corporation
L = Research
M = Professional Partnership
N = Other *(Specify on answer sheet)*

---

35. On the answer sheet please write the name and address of someone who will forward your mail should your present address change.

OCCUPATIONS (Cont)

38	Dentist or Orthodontist
40	Dietitian or Home Economist
42	Engineer
44	Farmer or Rancher
46	Foreign Service Worker
48	Diplomat
50	Housewife
52	Interior Decorator or Designer
54	Interpreter (Translator)
56	Lab Technician or Hygienist
58	Law Enforcement Officer
60	Lawyer or Attorney
62	Military Service (Career)
64	Musician (Performer, Composer)
66	Nurse
68	Optometrist
70	Pharmacist
72	Physician or Surgeon
74	School Counselor
76	School Principal or Superintendent
78	Scientific Research
80	Social Worker
82	Statistician
84	Therapist (Physical, Occupation, Speech)
86	Teacher (Elementary)
88	Teacher (Secondary)
90	Veterinarian
91	Writer or Journalist
92	Skilled Trades
93	Semi-Skilled Worker
94	Laborer (Unskilled)
95	Unemployed
96	Undecided
97	Other *(Specify on answer sheet)*

1. DARKEN ONE RESPONSE FOR EACH QUESTION UNLESS OTHERWISE INSTRUCTED.
2. ERASE ANY CHANGED ANSWER COMPLETELY.
3. USE PENCIL ONLY

STATE OF ILLINOIS SENIOR STUDY
PAGE ONE

DO NOT MARK HERE

0	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9

BEGIN HERE →

1. STUDENT STATUS

F
P
N

2. SEX

M
F

3. AGE

	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9

4. MARITAL STATUS

M
N
D

5. TERM YEAR

A	3
B	4
C	5
D	6
E	
F	
G	

6. RACE

W
B
O
C
P
X
OTHER ____________

7. GRADES

A HIGH SCHOOL	B OVERALL UNDER-GRAD	C UNDER-GRAD MAJOR
P/F	P/F	P/F
A	A	A
A-	A-	A-
B+	B+	B+
B	B	B
B-	B-	B-
C+	C+	C+
C	C	C
C-	C-	C-
D+ OR LOWER	D+ OR LOWER	D+ OR LOWER

8. HIGH SCHOOL LOCATION

A
B
C
D
E
F
G
H
I
J
K

9. CAREER DECISION

G
H
M
W
F
J
U

10. CAREER PREPARATION

E
F
N
P
U

11. JOB CHANCES

COL. A	COL. B
1	1
2	2
3	3
4	4

12. RELATIVES

Y
N

13. EVALUATION

1
2
3
4
5

PLEASE FILL OUT REVERSE SIDE OF THIS FORM

14. REASONS

A)	V	S	N
B)	V	S	N
C)	V	S	N
D)	V	S	N
E)	V	S	N
F)	V	S	N
G)	V	S	N
H)	V	S	N
I)	V	S	N

15. ASPECTS

A)	E	G	F	P	D
B)	E	G	F	P	D
C)	E	G	F	P	D
D)	E	G	F	P	D
E)	E	G	F	P	D
F)	E	G	F	P	D
G)	E	G	F	P	D
H)	E	G	F	P	D
I)	E	G	F	P	D

16. COURSE

A)	SA	A	D	SD
B)	SA	A	D	SD
C)	SA	A	D	SD
D)	SA	A	D	SD
E)	SA	A	D	SD
F)	SA	A	D	SD
G)	SA	A	D	SD
H)	SA	A	D	SD
I)	SA	A	D	SD
J)	SA	A	D	SD

17. CAREER

A)	G	S	L	N
B)	G	S	L	N
C)	G	S	L	N
D)	G	S	L	N
E)	G	S	L	N
F)	G	S	L	N
G)	G	S	L	N
H)	G	S	L	N
I)	G	S	L	N
J)	G	S	L	N
K)	G	S	L	N

18. YOURSELF

A)	1	2	3	4	5
B)	1	2	3	4	5
C)	1	2	3	4	5
D)	1	2	3	4	5
E)	1	2	3	4	5
F)	1	2	3	4	5
G)	1	2	3	4	5
H)	1	2	3	4	5
I)	1	2	3	4	5
J)	1	2	3	4	5
K)	1	2	3	4	5

19. FIELDS OF STUDY

COLUMN A		COLUMN B		COLUMN C		COLUMN D		COLUMN E		COLUMN F	
0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9	9	9

20. FALL PLANS

A YOU	B FRIENDS
A	A
B	B
C	C
D	D
E	E
F	F
G	G
H	H

21. DEGREE

1
2
3
4
5
6
7
8

OTHER

22. EDUCATIONAL PLANS

A
B
C
D
E

23.

A APPLICATIONS	B ACCEPTANCES
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7

24. THE GRADUATE OR PROFESSIONAL SCHOOL YOU PLAN TO ATTEND IS: (PLEASE PRINT)

NAME

LOCATION: CITY AND STATE

25. PREFERENCE

Y
N

26. TOTAL EXPENDITURE

1
2
3
4
5
6
7
8

27. INCOME

A
B
C
D
E
F
G
H
I
J
K

28. BACKGROUND

A MOTHER	B FATHER
A	A
B	B
C	C
D	D
E	E
F	F
G	G
H	H
I	I
J	J
K	K
L	L

COLUMN A: OTHER

COLUMN B: OTHER

29. EDUCATION

A MOTHER	B FATHER
0	0
1	1
2	2
3	3
4	4
5	5

30. RELIGION

A REARED	B PREFERRED
P	P
C	C
J	J
N	N
O	O

A OTHER B

31. RELIGIOUS SERVICES

A MOTHER	B FATHER	C YOU
W	W	W
S	S	S
O	O	O
T	T	T
N	N	N

32. GRANDPARENTS

0
1
2
3
4

33. OCCUPATIONS

COLUMN A YOU		COLUMN B MOTHER		COLUMN C FATHER	
0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

A B C

34. EXPECT TO BE

COLUMN A FIRST	COLUMN B LONG-RUN
A	A
B	B
C	C
D	D
E	E
F	F
G	G
H	H
I	I
J	J
K	K
L	L
M	M
N	N

COLUMN A: OTHER

COLUMN B: OTHER

35.

(NAME)

(ADDRESS)

(CITY)

DO NOT MARK HERE

0	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9

Appendix H

A Brief Note on Field Costs in the Illinois Senior Survey

A BRIEF NOTE ON FIELD COSTS IN THE ILLINOIS SENIOR SURVEY

Since one of the major purposes of the study was to estimate the cost of carrying out the field work with available techniques, the following information on field costs is presented.

There were three mailings of questionnaires with answer sheets, cover letters, and business reply envelopes and one mailing of postcards. Roughly, 10,200 questionnaire packets were sent out, and 3,200 were returned. In addition, 2,200 postcards were sent out. All mailings including the return envelopes used first-class postage.

Field Costs for
Illinois Senior Survey

Materials and supplies	
Printing	
Questionnaire booklet	$ 325
Answer sheets	455
Other (cover letters, etc.)	320
Total printing	1,100
Postage*	4,012
Other materials and supplies*	101
Total materials and supplies	5,213
Salaries and wages	
Coordination*	1,025
Clerical*	2,587
Total salaries and wages	3,612
Grand Total	$8,825

*Includes small amounts for the pretest.

Thus, the cost per case for the field work was $1.83 for all persons drawn in the sample or $2.76 for completed answer sheets.

Appendix I

Pretest Materials

SURVEY RESEARCH LABORATORY **UNIVERSITY OF ILLINOIS**

Urbana-Champaign
Chicago Circle

February, 1973

Dear Illinois Graduate:

In cooperation with the State of Illinois Bureau of the Budget, we are conducting a survey of Illinois graduates at a selected number of two-year and four-year colleges. Your name has been drawn as part of a statistically representative sample of students in the State of Illinois.

The questionnaire asks for information on your college experience and your reactions to it, some biographical information, and your plans for the future. The purpose of this study is to determine the career plans of college graduates so that Illinois colleges may intelligently evaluate their curriculums.

The questionnaire you are receiving is a test of a much larger study we are preparing for later this year. Since it is a test we would appreciate your answering the items as completely as possible and notifying us of any weaknesses in the questionnaire and possibilities of improving the questions or the design. Make your comments on a separate sheet of paper.

The serial numbers coded in the answer sheets will be used only for keeping track of questionnaire returns. Your answers will be kept completely confidential and will not be identified with you in any way. The answer sheets will be machine scored and the data file we maintain will not include your name.

The questionnaire has been designed to be filled out easily. Please be sure you use a #2 1/2 or darker lead pencil to mark the appropriate answers. For some questions you may have to write in a word when the printed answers do not apply to you.

On the back of this cover letter is a list of "Fields of Study" which will be needed to answer question 16.

Return the combination questionnaire/answer sheet (along with any comments on the questions or questionnaire design) in the self-addressed envelope.

Thank you in advance for your cooperation.

Sincerely yours,

Joe L. Spaeth

Joe L. Spaeth
Associate Professor

JLS:bf

URBANA OFFICE: 414 DAVID KINLEY HALL, URBANA, ILLINOIS 61801 · (217) 333-4273

List of Fields for Question 16

Please darken the two-digit number of the appropriate field in the space provided on the answer sheet.

ARTS AND HUMANITIES

01	Architecture
02	English (literature)
03	Fine Arts
04	History
05	Journalism (writing)
06	Language (modern)
07	Language (other)
08	Music
09	Philosophy
10	Speech and drama
11	Theology
12	Other
13	Double Major in Arts and Humanities

BIOLOGICAL SCIENCE

21	Biology (general)
22	Biochemistry
23	Biophysics
24	Botany
25	Physiology
26	Zoology
27	Other
29	Double Major in Biological Sciences

BUSINESS

31	Accounting
32	Advertising
33	Business administration
34	Electronic data processing
35	Secretarial studies
36	Other
39	Double Major in Business

ENGINEERING

41	Aeronautical
42	Civil
43	Chemical
44	Electrical
45	Industrial
46	Mechanical
47	Other
49	Double Major in Engineering

PHYSICAL SCIENCE

51	Chemistry
52	Earth science, Geology
53	Mathematics
54	Physics
55	Statistics
56	Other
59	Double Major in Physical Science

PROFESSIONAL

61	Health Technology (medical, dental, laboratory)
62	Nursing
63	Pharmacy
64	Predentistry or Dentistry
65	Prelaw or Law
66	Premedical or Medicine
67	Preveterinary or Veterinary Medicine
68	Therapy (occupat., Physical, speech)
69	Other

SOCIAL SCIENCE

71	Anthropology
72	Economics
73	Education
04	History
74	Political Science (government, int. relations)
75	Psychology
76	Social work
77	Sociology
78	Other
79	Double Major in Social Science

OTHER FIELDS

81	Agriculture
82	Communications (radio, T.V., etc.)
83	Computer Science
84	Environmental Science
85	Electronics (technology)
86	Forestry
87	Home Economics
88	Industrial Arts
05	Journalism
89	Library science
90	Military science
91	Physical education and recreation
92	Other (technical)
93	Other (nontechnical)
94	Undecided
96	Double Major in other areas

SURVEY RESEARCH LABORATORY UNIVERSITY OF ILLINOIS

Urbana-Champaign
Chicago Circle

GENERAL MARKING INSTRUCTIONS

1. DARKEN ONE RESPONSE FOR EACH QUESTION UNLESS OTHERWISE INSTRUCTED.
2. ERASE ANY CHANGED ANSWER COMPLETELY.
3. PLEASE USE PENCIL ONLY.

*** STATE OF ILLINOIS SENIOR STUDY ***

PAGE ONE

1. THIS TERM ARE YOU:

FULL-TIME STUDENT
PART-TIME STUDENT
NOT A STUDENT

2. ARE YOU:

MALE
FEMALE

3. YOUR AGE IS:

	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9

4. ARE YOU:

MARRIED
NEVER MARRIED
DIVORCED, SEPARATED, OR WIDOWED

5. WHEN DO YOU PLAN TO GRADUATE: (DARKEN ONE RESPONSE IN EACH COLUMN.)

SEMESTER	YEAR
FALL	1973
SPRING	1974
SUMMER	1975
QUARTER	1976 OR LATER
FALL	
WINTER	
SPRING	
SUMMER	

6. ARE YOU:

WHITE/CAUCASIAN
BLACK/NEGRO/AFRO-AMERICAN
ORIENTAL
CHICANO/MEXICAN-AMERICAN
PUERTO RICAN/LATIN AMERICAN
OTHER ____________
(SPECIFY)

7. (DARKEN ONE RESPONSE IN EACH COLUMN) PLEASE ESTIMATE YOUR GRADE POINT AVERAGE FOR:

HIGH SCHOOL	OVERALL UNDERGRAD	UNDERGRAD MAJOR FIELD
A	A	A
A-	A-	A-
B+	B+	B+
B	B	B
B-	B-	B-
C+	C+	C+
C	C	C
C-	C-	C-
D+ OR LOWER	D+ OR LOWER	D+ OR LOWER
PASS/FAIL	PASS/FAIL	PASS/FAIL

8. THE LOCATION OF THE HIGH SCHOOL YOU GRADUATED FROM IS:

IN ILLINOIS
CHICAGO, INNER CITY
CITY OF CHICAGO, OTHER
CHICAGO SUBURB
NORTHERN, URBAN
NORTHERN, RURAL
CENTRAL, URBAN
CENTRAL, RURAL
SOUTHERN, URBAN
SOUTHERN, RURAL
OUT OF STATE
URBAN
RURAL

9. DID YOU DECIDE ON THE CAREER YOU WILL BE PURSUING IN:

GRAMMAR SCHOOL
HIGH SCHOOL
COLLEGE, AS FRESHMAN OR SOPHOMORE
COLLEGE, AS JUNIOR OR SENIOR
STILL UNDECIDED

10. IS YOUR COLLEGE PREPARING YOU FOR YOUR CAREER:

EXTREMELY WELL
FAIRLY WELL
NOT TOO WELL
VERY POORLY
NO CAREER PLANS YET

11. IS YOUR OVERALL EVALUATION OF YOUR PRESENT COLLEGE:

VERY SATISFIED
SATISFIED
ON THE FENCE
DISSATISFIED
VERY DISSATISFIED

DO NOT MARK HERE

0	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9

PLEASE FILL OUT THE REVERSE SIDE

SURVEY RESEARCH LABORATORY

STATE OF ILLINOIS SENIOR STUDY

DO NOT MARK HERE		0 1 2 3 4 5 6 7 8 9
		0 1 2 3 4 5 6 7 8 9
		0 1 2 3 4 5 6 7 8 9
		0 1 2 3 4 5 6 7 8 9

USE PENCIL ONLY

12. HOW IMPORTANT WAS EACH OF THE FOLLOWING REASONS TO YOUR DECISION TO ATTEND THIS COLLEGE:

PLEASE MARK:
V IF VERY IMPORTANT
S IF SOMEWHAT IMPORTANT
N IF NOT IMPORTANT

V S N MY PARENTS WANTED ME TO ATTEND HERE
V S N THIS COLLEGE'S HIGH ACADEMIC REPUTATION
V S N MOST OF MY FRIENDS ATTEND HERE
V S N LOW TUITION
V S N I WAS NOT ACCEPTED ANYWHERE ELSE
V S N I WANTED TO LIVE AWAY FROM HOME
V S N I THOUGHT I WOULD HAVE MORE FUN HERE
V S N I WANTED TO LIVE AT HOME

14. RATE THE FOLLOWING ASPECTS OF YOUR COLLEGE THIS YEAR:

PLEASE MARK:
E IF EXCELLENT
G IF GOOD
F IF FAIR
P IF POOR
D IF DOES NOT APPLY

E G F P D CALIBER OF CLASSROOM TEACHING
E G F P D CURRICULUM AND COURSE OFFERING
E G F P D PERSONAL CONTACT WITH THE FACULTY
E G F P D RESEARCH FACILITIES AND OPPORTUNITI (E.G., LIBRARY, COMPUTER)
E G F P D STUDENT HOUSING
E G F P D CALIBER OF THE STUDENTS
E G F P D KNOWLEDGE AND PROFESSIONAL STANDING OF THE FACULTY

13. HOW ACTIVE ARE YOU IN ANY OF THE FOLLOWING ORGANIZATIONS:

PLEASE MARK:
A IF NOT A MEMBER
B IF MEMBER, NOT VERY ACTIVE
C IF MEMBER, VERY ACTIVE

A B C FRATERNITY OR SORORITY
A B C INTRAMURAL ATHLETIC TEAM
A B C COLLEGE ATHLETIC TEAM
A B C CHOIR, GLEE CLUB, BAND, ETC.
A B C HONORARY (SUBJECT MATTER) FRATERNITY
A B C STAFF OF CAMPUS PUBLICATION
A B C A SERVICE ORGANIZATION (E.G., TUTORING)
A B C POLITICAL CLUB OR ORGANIZATION
A B C STUDENT GOVERNMENT

15. HOW IMPORTANT WOULD EACH OF THE FOLLOWING BE TO YOU IN SELECTING A JOB OR CAREER:

PLEASE MARK:
G IF GREAT IMPORTANCE
S IF SOME IMPORTANCE
L IF LITTLE IMPORTANCE
N IF NO IMPORTANCE

G S L N MAKING A LOT OF MONEY
G S L N OPPORTUNITIES TO BE CREATIVE AND ORIGINAL
G S L N LIVE IN A PLACE WHERE BOTH MY SPOUSE AND I WILL BE ABLE TO FIND MEANINGFUL WORK
G S L N OPPORTUNITIES TO BE HELPFUL TO OTHERS AND USEFUL TO SOCIETY
G S L N AVOIDING A HIGH PRESSURE JOB WHICH TAKES TOO MUCH OUT OF YOU
G S L N OPPORTUNITIES FOR MODERATE BUT STEADY PROGRESS RATHER THAN EXTREME SUCCESS OR FAILURE
G S L N OPPORTUNITIES TO WORK WITH PEOPLE RATHER THAN THINGS
G S L N FREEDOM FROM SUPERVISION
G S L N A STABLE, SECURE FUTURE
G S L N A CHANCE TO ESTABLISH A SUCCESSFUL BUSINESS OF MY OWN

PLEASE FILL OUT THE REVERSE SIDE

USE PENCIL ONLY

16. PLEASE READ THE LIST OF FIELDS ON THE BACK OF THE COVER LETTER AND DARKEN THE APPROPRIATE CODE NUMBER FOR EACH OF THE FOLLOWING COLUMNS:

COLUMN A = YOUR FIRST MAJOR
COLUMN B = YOUR CURRENT MAJOR
COLUMN C = THE MAJOR YOU WOULD LIKE TO BE IN NOW
COLUMN D = THE DEPARTMENT IN WHICH YOU WILL ENROLL IF YOU ATTEND GRADUATE SCHOOL
COLUMN E = THE FIELD YOU EXPECT TO BE YOUR LONG-RUN CAREER
COLUMN F = THE FIELD OF THE LONG-RUN CAREER YOU WOULD LIKE

NOTE: PLEASE DARKEN RESPONSE TO EACH COLUMN EVEN IF FIELDS DUPLICATE.

COLUMN A		COLUMN B		COLUMN C		COLUMN D		COLUMN E		COLUMN F	
0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9	9	9

17. WHAT ARE YOUR PLANS FOR NEXT FALL?
WHAT ARE THE PLANS OF MOST OF YOUR FRIENDS AFTER GRADUATION?
(DARKEN ONE RESPONSE IN EACH COLUMN)

YOU	YOUR FRIENDS	
☐	☐	CONTINUE SCHOOLING
☐	☐	START WORK
☐	☐	SEARCH FOR WORK
☐	☐	MILITARY SERVICE
☐	☐	PEACE CORPS/VISTA/ETC.
☐	☐	TRAVEL
☐	☐	NON-EMPLOYED HOUSEWIFE
☐	☐	NOT DEFINITE

18. THE HIGHEST ACADEMIC DEGREE YOU INTEND TO OBTAIN IS:

☐ ASSOCIATE (A.A. OR EQUIVALENT)
☐ BACHELORS (B.A., B.S., ETC.)
☐ MASTERS DEGREE
☐ PH.D. OR ED.D.
☐ M.D., D.O., D.D.S., D.V.M.
☐ LL.B., OR J.D. (LAW)
☐ B.D. (DIVINITY)
☐ NONE
☐ OTHER ____________
(SPECIFY)

19. DO YOU PLAN TO ENROLL IN GRADUATE OR PROFESSIONAL SCHOOL:

☐ YES, IMMEDIATELY AFTER COMPLETING COLLEGE
☐ YES, BUT NOT IMMEDIATELY AFTER COLLEGE
☐ NOT SURE
☐ NO (IF NO, DARKEN RESPONSE AND SKIP TO QUESTION #23)

20. TO HOW MANY GRADUATE INSTITUTIONS DID YOU APPLY FOR ADMISSION?
HOW MANY ACCEPTANCES HAVE YOU HAD?

NUMBER OF APPLICATIONS	NUMBER OF ACCEPTANCES
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7

21. THE GRADUATE OR PROFESSIO SCHOOL YOU PLAN TO ATTEN IS: (PLEASE PRINT)

____
NAME OF INSTITUTION

____
LOCATION (CITY & STATE)

____

22. WOULD YOU HAVE PREFERRED ANOTHER INSTITUTION:

☐ YES
☐ NO

DO NOT MARK HERE

0	0	0	0
1	1	1	[illegible]
2	2	2	[illegible]
3	3	3	[illegible]
4	4	4	[illegible]
5	5	5	[illegible]
6	6	6	[illegible]
7	7	7	[illegible]
8	8	8	[illegible]
9	9	9	[illegible]

PLEASE FILL OUT THE REVERSE SIDE

FOR EACH OF THE FOLLOWING QUESTIONS
PLEASE ESTIMATE TO THE NEAREST
HUNDRED DOLLARS AND MARK YOUR ANSWERS
AS SHOWN IN THE SAMPLE MARKS.

EXAMPLE:

MARK 001 IF $100
MARK 002 IF $200
MARK 010 IF $1000
MARK 023 IF $2300
MARK 100 IF $10,000
MARK 185 IF $18,500
MARK 999 IF $99,999 OR OVER

USE PENCIL ONLY

SAMPLE MARKS:

$		8	5	0	0
	●	0	0		
	1	1	1		
	2	2	2		
	3	3	3		
	4	4	4		
	5	5	●		
	6	6	6		
	7	7	7		
	8	●	8		
	9	9	9		

SURVEY RESEARCH LABORATORY

STATE OF ILLINOIS SENIOR STUDY

PAGE 4

DO NOT
MARK HERE

0	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9

23. DARKEN IN THE APPROPRIATE COLUMN BELOW THE AMOUNT YOU RECEIVED FROM EACH OF THE FOLLOWING SOURCES FOR YOUR TOTAL UNDERGRAD COLLEGE LIVING EXPENSES:

COLUMN A = SUPPORT FROM PARENTS
COLUMN B = SUPPORT FROM SPOUSE
COLUMN C = COLLEGE SCHOLARSHIP
COLUMN D = STATE OR LOCAL SCHOLARSHIP
COLUMN E = FEDERAL GOVERNMENT SCHOLARSHIP
COLUMN F = GOVERNMENT OR COLLEGE LOAN
COLUMN G = COMMERCIAL LOAN
COLUMN H = OTHER (SAVINGS, OWN WORK, ETC.)

NOTE: ANSWER QUESTION #27 NEXT.

24. WHAT WAS YOUR TOTAL EXPENDITURE FOR THE PAST FULL ACADEMIC YEAR? (1971-72) (INCLUDE TUITION, FEES, BOOKS, ROOM, BOARD, ENTERTAINMENT, ALL EXPENSES)

$					
	0	0	0		
	1	1	1		
	2	2	2		
	3	3	3		
	4	4	4		
	5	5	5		
	6	6	6		
	7	7	7		
	8	8	8		
	9	9	9		

25. WHAT WAS YOUR PARENTAL FAMILY'S TOTAL INCOME IN 1972? (CONSIDER ANNUAL INCOME FROM ALL SOURCES BEFORE TAXES)

$					
	0	0	0		
	1	1	1		
	2	2	2		
	3	3	3		
	4	4	4		
	5	5	5		
	6	6	6		
	7	7	7		
	8	8	8		
	9	9	9		

26. WHAT WAS YOUR (AND SPOUSE, IF MARRIED) TOTAL INCOME IN 1972? (CONSIDER ANNUAL INCOME FROM ALL SOURCES BEFORE TAXES)

$					
	0	0	0		
	1	1	1		
	2	2	2		
	3	3	3		
	4	4	4		
	5	5	5		
	6	6	6		
	7	7	7		
	8	8	8		
	9	9	9		

COLUMN A			COLUMN B			COLUMN C			COLUMN D			COLUMN E			COLUMN F			COLUMN G			COLUMN H		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9

27. WHO WILL REPAY THE LOAN(S):

☐ LOAN NOT A SOURCE
☐ YOU
☐ PARENTS
☐ SOMEBODY ELSE
☐ YOU AND YOUR PARENTS
☐ DON'T KNOW

PLEASE FILL OUT THE REVERSE SIDE

S Y RE CH L ATO

STATE OF ILLINOIS SENIOR STUDY

PAGE 6

DO NOT MARK HERE

0	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9

34. PLEASE CAREFULLY READ INSTRUCTIONS BEFORE ANSWERING:

1. READ THE LIST OF OCCUPATIONS BELOW
2. NOTE THE ADJACENT CODE NUMBER FOR EACH OCCUPATION
3. DARKEN IN THE APPROPRIATE COLUMN THE CODE NUMBER WHICH CORRESPONDS TO:

COLUMN A = YOUR PROBABLE CAREER OCCUPATION
COLUMN B = YOUR FATHER'S OCCUPATION WHEN YOU WERE 16 YEARS OLD
COLUMN C = YOUR MOTHER'S OCCUPATION WHEN YOU WERE 16 YEARS OLD

NOTE: IF YOUR FATHER OR MOTHER WAS DECEASED, PLEASE INDICATE THEIR LAST OCCUPATION.

COLUMN A		COLUMN B		COLUMN C	
0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

01	ACCOUNTANT OR ACTUARY
05	ACTOR OR ENTERTAINER
08	ARCHITECT
13	ARTIST
16	BUSINESS (CLERICAL)
19	BUSINESS (EXECUTIVE)
20	BUSINESS (MANAGEMENT, ADMINISTRATIVE)
22	BUSINESS (OWNER OR PROPRIETOR)
24	BUSINESS (SALESMAN OR BUYER)
28	CLERGYMAN
30	CLINICAL PSYCHOLOGIST
32	COLLEGE TEACHER
34	COMPUTER PROGRAMMER
36	CONSERVATIONIST OR FORESTER
38	DENTIST OR ORTHODONTIST
40	DIETITIAN OR HOME ECONOMIST
42	ENGINEER
44	FARMER OR RANCHER
46	FOREIGN SERVICE WORKER
48	DIPLOMAT
50	HOUSEWIFE
52	INTERIOR DECORATOR OR DESIGNER
54	INTERPRETER (TRANSLATOR)
56	LAB TECHNICIAN OR HYGIENIST
58	LAW ENFORCEMENT OFFICER
60	LAWYER OR ATTORNEY
62	MILITARY SERVICE (CAREER)
64	MUSICIAN (PERFORMER, COMPOSER)
66	NURSE
68	OPTOMETRIST
70	PHARMACIST
72	PHYSICIAN OR SURGEON
74	SCHOOL COUNSELOR
76	SCHOOL PRINCIPAL OR SUPERINTENDENT
78	SCIENTIFIC RESEARCHER
80	SOCIAL WORKER
82	STATISTICIAN
84	THERAPIST (PHYSICAL, OCCUPATIONAL, SPEECH)
86	TEACHER (ELEMENTARY)
88	TEACHER (SECONDARY)
90	VETERINARIAN
91	WRITER OR JOURNALIST
92	SKILLED TRADES
93	SEMI-SKILLED WORKER
94	LABORER (UNSKILLED)
95	UNEMPLOYED
96	UNDECIDED
97	OTHER ______ (SPECIFY)

35. AFTER COMPLETING YOUR STUDIES WHO DO YOU EXPECT TO BE YOUR:
(DARKEN ONE RESPONSE IN EACH COLUMN)

FIRST EMPLOYER	LONG-RUN FUTURE EMPLOYER	
		GOVERNMENT:
☐	☐	FEDERAL
☐	☐	STATE OR LOCAL
		EDUCATION:
☐	☐	ELEMENTARY OR SECONDARY
☐	☐	HIGHER EDUCATION
		NONPROFIT ORGANIZATIONS:
☐	☐	HOSPITAL
☐	☐	CLINIC
☐	☐	SOCIAL WELFARE
☐	☐	CHURCH
☐	☐	OTHER
		BUSINESS:
☐	☐	SELF-EMPLOYED OR FAMILY FIRM
☐	☐	PRIVATE COMPANY
☐	☐	RESEARCH
☐	☐	PROFESSIONAL PARTNERSHIP
☐	☐	OTHER ______ (SPECIFY)

36. DID IT INCONVENIENCE YOU TO CHANGE THE POSITION OF THE FORM TO MARK YOUR ANSWERS:

☐ YES
☐ NO
☐ DID NOT MATTER

PLEASE FILL OUT THE REVERSE SIDE

USE PENCIL ONLY

DO NOT MARK HERE

0	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9

28. THE PREDOMINANT NATIONAL BACKGROUND OF:
(DARKEN ONE RESPONSE IN EACH COLUMN)

YOUR MOTHER'S FAMILY — YOUR FATHER'S FAMILY

ENGLISH, SCOTCH, WELSH, CANADIAN, AUSTRALIAN, NEW ZEALAND
IRISH
GERMAN, AUSTRIAN, SWISS
SCANDINAVIAN
ITALIAN
FRENCH, FRENCH CANADIAN, BELGIAN
POLISH
RUSSIAN AND OTHER EASTERN EUROPEAN
AMERICAN NEGRO/AFRO-AMERICAN
SPANISH, PORTUGUESE AND LATIN AMERICAN
OTHER ____________________
(SPECIFY)

29. HOW MANY OF YOUR GRANDPARENTS WERE BORN IN THE UNITED STATES:

NONE
ONE
TWO
THREE
FOUR

30. WHAT IS THE HIGHEST LEVEL OF FORMAL EDUCATION OBTAINED BY YOUR PARENTS:
(DARKEN ONE RESPONSE IN EACH COLUMN)

MOTHER FATHER

GRAMMER SCHOOL OR LESS
SOME HIGH SCHOOL
HIGH SCHOOL GRADUATE
SOME COLLEGE
COLLEGE GRADUATE
POSTGRADUATE DEGREE

31. MARK IN THE APPROPRIATE COLUMN THE RELIGION IN WHICH YOU WERE REARED AND YOUR CURRENT RELIGIOUS PREFERENCE
(DARKEN ONE RESPONSE IN EACH COLUMN)

RELIGION IN WHICH REARED — YOUR CURRENT PREFERENCE

PROTESTANT
ROMAN CATHOLIC
JEWISH
OTHER ____________________
NONE (SPECIFY)

32. DURING MY HIGH SCHOOL YEARS MY PARENTS ATTENDED RELIGIOUS SERVICES;
I NOW ATTEND RELIGIOUS SERVICES:
(DARKEN ONE RESPONSE IN EACH COLUMN)

MOTHER FATHER YOU

WEEKLY, ALMOST NO EXCEPTION
SEVERAL TIMES A MONTH
ONCE A MONTH
TWO OR THREE TIMES A YEAR
NEVER

33. PLEASE WRITE THE NAME AND ADDRESS OF SOMEONE WHO WILL FORWARD YOUR MAIL SHOULD YOUR PRESENT ADDRESS CHANGE:

____
(NAME)

____
(STREET ADDRESS)

____
(CITY AND STATE)

SURVEY RESEARCH LABORATORY **UNIVERSITY OF ILLINOIS**

Urbana-Champaign
Chicago Circle

February, 1973

Dear Illinois Graduate:

In cooperation with the State of Illinois Bureau of the Budget, we are conducting a survey of Illinois graduates at a selected number of two-year and four-year colleges. Your name has been drawn as part of a statistically representative sample of students in the State of Illinois.

The questionnaire asks for information on your college experience and your reactions to it, some biographical information, and your plans for the future. The purpose of this study is to determine the career plans of college graduates so that Illinois colleges may intelligently evaluate their curriculums.

The questionnaire you are receiving is a test of a much larger study we are preparing for later this year. Since it is a test we would appreciate your answering the items as completely as possible and notifying us of any weaknesses in the questionnaire and possibilities of improving the questions or the design. Make your comments on a separate sheet of paper.

The serial numbers coded in the answer sheets will be used only for keeping track of questionnaire returns. Your answers will be kept completely confidential and will not be identified with you in any way. The answer sheets will be machine scored and the data file we maintain will not include your name.

The questionnaire has been designed to be filled out easily. Please be sure you use a #2 1/2 or darker lead pencil to mark the appropriate answers. For some questions you may have to write in a word when the printed answers do not apply to you.

On the back of this cover letter is a list of "Fields of Study" which will be needed to answer question 16.

Return the answer sheet only (along with any comments on the questions or questionnaire design) in the self-addressed envelope.

Thank you in advance for your cooperation.

Sincerely yours,

Joe L. Spaeth

Joe L. Spaeth
Associate Professor

JLS:bf

URBANA OFFICE: 414 DAVID KINLEY HALL, URBANA, ILLINOIS 61801 · (217) 333-4273

List of Fields for Question 16

Please darken the two-digit number of the appropriate field in the space provided on the answer sheet.

ARTS AND HUMANITIES

01 Architecture
02 English (literature)
03 Fine Arts
04 History
05 Journalism (writing)
06 Language (modern)
07 Language (other)
08 Music
09 Philosophy
10 Speech and drama
11 Theology
12 Other
13 Double Major in Arts and Humanities

BIOLOGICAL SCIENCE

21 Biology (general)
22 Biochemistry
23 Biophysics
24 Botany
25 Physiology
26 Zoology
27 Other
29 Double Major in Biological Sciences

BUSINESS

31 Accounting
32 Advertising
33 Business administration
34 Electronic data processing
35 Secretarial studies
36 Other
39 Double Major in Business

ENGINEERING

41 Aeronautical
42 Civil
43 Chemical
44 Electrical
45 Industrial
46 Mechanical
47 Other
49 Double Major in Engineering

PHYSICAL SCIENCE

51 Chemistry
52 Earth science, Geology
53 Mathematics
54 Physics
55 Statistics
56 Other
59 Double Major in Physical Science

PROFESSIONAL

61 Health Technology (medical, dental, laboratory)
62 Nursing
63 Pharmacy
64 Predentistry or Dentistry
65 Prelaw or Law
66 Premedical or Medicine
67 Preveterinary or Veterinary Medicine
68 Therapy (occupat., Physical, speech)
69 Other

SOCIAL SCIENCE

71 Anthropology
72 Economics
73 Education
04 History
74 Political Science (government, int. relations)
75 Psychology
76 Social work
77 Sociology
78 Other
79 Double Major in Social Science

OTHER FIELDS

81 Agriculture
82 Communications (radio, T.V., etc.)
83 Computer Science
84 Environmental Science
85 Electronics (technology)
86 Forestry
87 Home Economics
88 Industrial Arts
05 Journalism
89 Library science
90 Military science
91 Physical education and recreation
92 Other (technical)
93 Other (nontechnical)
94 Undecided
96 Double Major in other areas

SURVEY RESEARCH LABORATORY
UNIVERSITY OF ILLINOIS

Quest. ______
Study 153

ILLINOIS SENIOR STUDY

GENERAL MARKING INSTRUCTIONS:

1. USE THE ENCLOSED ANSWER SHEET FOR ALL RESPONSES.
2. DARKEN ONE RESPONSE FOR EACH QUESTION UNLESS OTHERWISE INDICATED.
3. PLEASE USE PENCIL ONLY (#2 1/2 OR DARKER)
4. ERASE ANY CHANGED ANSWER COMPLETELY.
5. RETURN THE ANSWER SHEET ONLY IN THE SELF ADDRESSED ENVELOPE.

SAMPLE QUESTION:

ARE YOU A HIGH SCHOOL GRADUATE?
Y = YES
N = NO

ON THE ANSWER SHEET, MARK:

■ [N]

1. This term are you:

F = Full-time student
P = Part-time student
N = Not a student

2. Are you:
M = Male
F = Female

3. Your age is:

Darken in age in years

4. Are you:

M = Married
N = Never married
D = Divorced, separated or widowed

5. When do you plan to graduate:

Semester: A = Fall
B = Spring
C = Summer
Quarter: D = Fall
E = Winter
F = Spring
G = Summer

Year
3 = 1973
4 = 1974
5 = 1975
6 = 1976 or later

6. Are you:

W = White/Caucasian
B = Black/Negro/Afro-American
O = Oriental
C = Chicano/Mexican-American
P = Puerto Rican/Latin American
X = Other

______
(Specify on answer sheet)

7. Please estimate your grade point average for: High school, your overall undergraduate career, and your undergraduate major

8. The location of the high school you graduate from is:

In Illinois
A = Chicago, Inner city
B = City of Chicago, other
C = Chicago Suburb
D = Northern, Urban
E = Northern, Rural
F = Central, Urban
G = Central, Rural
H = Southern, Urban
I = Southern, Rural
Out of State
J = Urban
K = Rural

9. Did you decide on the career you will be pursuing in:

G = Grammar school
H = High school
F = College, as Freshman/Sophomore
J = College, as Junior/Senior
U = Still undecided

10. Is your college preparing you for your career:

E = Extremely well
F = Fairly well
N = Not too well
P = Very poorly
U = No career plans yet

11. Is your overall evaluation of your present college:

1 = Very satisfied
2 = Satisfied
3 = On the fence
4 = Dissatisfied
5 = Very dissatisfied

12. How important was each of the following reasons to your decision to attend this college:

Please mark for each item:

V If very important
S If somewhat important
N If not important

a) My parents wanted me to attend here
b) This college's high academic reputation
c) Most of my friends attend here
d) Low tuition
e) I was not accepted anywhere else
f) I wanted to live away from home
g) I thought I would have more fun here
h) I wanted to live at home

13. Rate the following aspects of your college this year:

Please mark for each item:

E If excellent
G If good
F If fair
P If poor
D If does not apply

a) Caliber of classroom teaching

b) Curriculum and course offering

c) Personal contact with the faculty

d) Research facilities and opportunities (e.g. library; computer)

e) Student housing

f) Caliber of the students

g) Knowledge and professional standing of the faculty

14. How active are you in any or the following organizations:

Please mark for each item:

A If not a member
B If member, not very active
C If member, very active

a) Fraternity or sorority

b) Intramural athletic team

c) College athletic team

d) Choir, glee club, band, etc.

e) Honorary (subject matter) fraternity

f) Staff of campus publication

g) A service organization (e.g. tutoring)

h) Political club or organization

i) Student government

15. How important would each of the following be to you in selecting a job or career:

Please mark for each item:

G Great importance
S Some importance
L Little importance
N No importance

a) Making a lot of money

b) Opportunities to be creative and original

c) Live in a place where both my spouse and I will be able to find meaningful work

d) Opportunities to be helpful to others and useful to society

e) Avoiding a high pressure job which takes too much out of you

f) Opportunities for moderate but steady progress rather than extreme success or failure

g) Opportunity to work with people rather than things

h) Freedom from supervision

i) A stable, secure future

j) A chance to establish a successful business of my own

16. Please read the list of fields on the back of the cover letter and darken the appropriate code number for each of the following columns:

Column A: Your first major
Column B: Your current major
Column C: The major you would like to be in now
Column D: The department in which you will enroll if you attend graduate school
Column E: The field you expect to be your long-run career
Column F: The field of the long-run career you would like

NOTE: Please darken response to each column even if fields duplicate.

17. What are your plans for next fall? What are the plans of most of your friends after graduation?

Darken your plans in Column "A"
Darken your friends' plans in Column "B"

The plans are:

A if continue schooling
B if start work
C if search for work
D if military service
E if Peace Corps/Vista/etc.
F if travel
G if non-employed housewife
H if not definite

18. The highest academic degree you intend to obtain is:

1 = Associate (A.A. or equivalent)
2 = Bachelors (B.A.; B.S.; etc.)
3 = Masters degree
4 = Ph.D. or Ed.D.
5 = M.D., D.O., D.D.S., D.V.M.
6 = Ll.B, or J.D. (Law)
7 = B.D. (Divinity)
8 = Other ______________
(Specify on answer sheet)

---

19. Do you plan to enroll in graduate or professional school:

A = Yes, immediately after completing college
B = Yes, but not immediately after college
C = Not sure
D = No (If No, darken response and skip to Question #23)

---

20. To how many graduate institutions did you apply for admission? How many acceptances have you had?

Column "A"	Column "B"
Number of applications	Number of acceptances

---

21. On the answer sheet, please print:

The graduate or professional school you plan to attend

---

22. Would you have preferred another institution

Y = Yes N = No

For Questions 23-26 please estimate to the nearest hundred dollars and mark your answers as shown in the sample marks.

Example:

Mark 001 if $100
Mark 002 if $200
Mark 010 if $1000
Mark 023 if $2300
Mark 100 if $10,000
Mark 185 if $18,500
Mark 999 if $99,999 or over

23. What was your total expenditure for the past full academic year (1971-72)? (Include tuition, fees, books, room, board, entertainment, all expenses)

---

24. What was your parental family's total income in 1972? (Consider annual income from all sources before taxes.)

---

25. What was your (and spouse, if married) total income in 1972? (Consider annual income from all sources before taxes.)

---

26. *Darken in the appropriate column the amount you received from each of the following sources for your total undergrad college living expenses.*

Column A: Support from parents
Column B: Support from spouse
Column C: College scholarship
Column D: State or local scholarship
Column E: Federal government scholarship
Column F: Government or college loan
Column G: Commercial loan
Column H: Other (savings, own work, etc.)

---

27. Who will repay the loan(s):

L = Loans not a source
Y = You
P = Parents
S = Somebody else
B = You and your parents
D = Don't know

---

28. The predominate national background of:

Column "A"	Column "B"
Your mother's family	Your father's family

Darken one response in each column:

A: if English, Scotch, Welsh, Canadian, Australian, New Zealand
B: If Irish
C: if German, Austrian, Swiss
D: if Scandinavian
E: if Italian
F: if French, French Canadian, Belgian
G: if Polish
H: if Russian and other Eastern European
I: if American Negro/Afro-American
J: if Spanish, Portugese and Latin American
K: Other ______________
(Specify on answer sheet)

---

29. How many of your grandparents were born in the United States:

---

30. What is the highest level of formal education obtained by your parents:

Mother in Column "A" *Father in Column "B"*

0 = Grammar school or less
1 = Some high school
2 = High school graduate
3 = Some college
4 = College graduate
5 = Postgraduate degree

31. Mark in the appropriate column the religion in which you were reared and your current religious preference:

Religion in which reared *Column "A"* *Current preference* *Column "B"*

P = Protestant
R = Roman Catholic
J = Jewish
O = Other ______
(Specify on answer sheet)
N = None

---

32. How frequently did your parents attend religious services when you were in high school? How frequently do you now attend religious services?

Column "A"	*Column "B"*	*Column "C"*
Mother	*Father*	*You*

W = Weekly, almost no exception
S = Several times a month
O = Once a month
T = Two or three times a year
N = Never

---

33. On the answer sheet please write the name and address of someone who will forward your mail should your present address change.

---

34. Please carefully read instructions before answering:

1. *Read the list of occupations at the right*
2. *Note the adjacent code number for each occupation*
3. *Darken in the appropriate column the code number which corresponds to:*

Column A: Your probable career occupation
Column B: Your father's occupation when you were 16 years old
Column C: Your mother's occupation when you were 16 years old

Note: If your father or mother was deceased, please indicate their last occupation.

OCCUPATIONS

01	Accountant or Actuary
05	Actor or Entertainer
08	Architect
13	Artist
16	Business (Clerical)
19	Business (Executive)
20	Business (Management, Administrative)
22	Business (Owner or Proprietor)
24	Business (Salesman or buyer)
28	Clergyman
30	Clinical Psychologist
32	College Teacher
34	Computer Programmer
36	Conservationist or Forester

35. After completing your studies who do you expect to be: *(Darken one response in each column)*

Column "A" = Your first employer
Column "B" = Your long-run future employer

Government: A = Federal
B = State or local

Education: C = Elementary or secondary
D = Higher education

Non-Profit organizations: E = Hospital
F = Clinic
G = Social Welfare
H = Church
I = Other

Business: J = Self-employed or family firm
K = Private company
L = Research
M = Professional Partnership
N = Other ______
(Specify on answer sheet)

---

36. Was the necessity of turning the answer sheet to mark your answers:

C = Convenient
I = Inconvenient
D = Did not matter

OCCUPATIONS (Cont)

38	Dentist or Orthodontist
40	Dietitian or Home Economist
42	Engineer
44	Farmer or Rancher
46	Foreign Service Worker
48	Diplomat
50	Housewife
52	Interior Decorator or Designer
54	Interpreter (Translator)
56	Lab Technician or Hygienist
58	Law Enforcement Officer
60	Lawyer or Attorney
62	Military Service (Career)
64	Musician (Performer, Composer)
66	Nurse
68	Optometrist
70	Pharmacist
72	Physician or Surgeon
74	School Counselor
76	School Principal or Superintendent
78	Scientific Research
80	Social Worker
82	Statistician
84	Therapist (Physical, Occupation, Speech)
86	Teacher (Elementary)
88	Teacher (Secondary)
90	Veterinarian
91	Writer or Journalist
92	Skilled Trades
93	Semi-Skilled Worker
94	Laborer (Unskilled)
95	Unemployed
96	Undecided
97	Other ______ *(Specify on answer sheet)*

GENERAL MARKING INSTRUCTIONS:

1. DARKEN ONE RESPONSE FOR EACH QUESTION UNLESS OTHERWISE INSTRUCTED.
2. ERASE ANY CHANGED ANSWER COMPLETELY.
3. USE PENCIL ONLY

SURVEY RESEARCH LABORATORY

STATE OF ILLINOIS SENIOR STUDY
PAGE ONE

START HERE

1. F P N

2. SEX M F

3. AGE

	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9

4. M N D

5. TERM YEAR

A	3
B	4
C	5
D	6
E	
F	
G	

6. RACE
W
B
O
C
P
X
OTHER

7. GRADES

HIGH SCHOOL	OVERALL UNDERGRAD	UNDERGRAD MAJOR
A	A	A
A-	A-	A-
B+	B+	B+
B	B	B
B-	B-	B-
C+	C+	C+
C	C	C
C-	C-	C-
D+ OR LOWER	D+ OR LOWER	D+ OR LOWER
P/F	P/F	P/F

8. HIGH SCHOOL LOCATION
A B C D E F G H I J K

9. G H F J U

10. E F N P U

11. 1 2 3 4 5

12. REASONS

A)	V	$	N
B)	V	$	N
C)	V	$	N
D)	V	$	N
E)	V	$	N
F)	V	$	N
G)	V	$	N
H)	V	$	N

13. ASPECTS

A)	E	G	F	P	D
B)	E	G	F	P	D
C)	E	G	F	P	D
D)	E	G	F	P	D
E)	E	G	F	P	D
F)	E	G	F	P	D
G)	E	G	F	P	D

14. ORGANIZATIONS

A)	A	B	C
B)	A	B	C
C)	A	B	C
D)	A	B	C
E)	A	B	C
F)	A	B	C
G)	A	B	C
H)	A	B	C
I)	A	B	C

15. JOB

A)	G	S	L	N
B)	G	S	L	N
C)	G	S	L	N
D)	G	S	L	N
E)	G	S	L	N
F)	G	S	L	N
G)	G	S	L	N
H)	G	S	L	N
I)	G	S	L	N
J)	G	S	L	N

16. FIELDS OF STUDY

COLUMN A		COLUMN B		COLUMN C		COLUMN D		COLUMN E		COLUMN F	
0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9	9	9

DO NOT MARK HERE

0	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9

17. PLANS

COLUMN "A" YOU	COLUMN "B" FRIENDS
A	A
B	B
C	C
D	D
E	E
F	F
G	G
H	H

18. DEGREE
1
2
3
4
5
6
7
8
(OTHER)

19. GRADUATE SCHOOL
A
B
C
D

20. GRADUATE INSTITUTIONS

"A" APPLICATIONS	"B" ACCEPTANCES
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7

PLEASE FILL OUT THE REVERSE SIDE

SURVEY RESEARCH LABORATORY

STATE OF ILLINOIS SENIOR STUDY
PAGE 2

21. THE GRADUATE OR PROFESSIONAL SCHOOL YOU PLAN TO ATTEND IS: (PLEASE PRINT)

____
(NAME)

____
(LOCATION: CITY & STATE)

22. PREFERENCE

Y
N

FOR QUESTIONS 23-26 PLEASE ESTIMATE TO THE NEAREST HUNDRED DOLLARS AND MARK YOUR ANSWERS AS SHOWN IN THE SAMPLE MARKS:

SAMPLE MARKS

$	8	5	0	0
	0	0	0	
	1	1	1	
	2	2	2	
	3	3	3	
	4	4	4	
	5	5	5	
	6	6	6	
	7	7	7	
	8	8	8	
	9	9	9	

EXAMPLE

MARK 001 IF $100
MARK 002 IF $200
MARK 010 IF $1000
MARK 023 IF $2300
MARK 100 IF $10,000
MARK 185 IF $18,500
MARK 999 IF $99,999 OR OVER

23. YOUR TOTAL EXPENDITURE

~~0~~	~~0~~	~~0~~
~~1~~	~~1~~	~~1~~
~~2~~	~~2~~	~~2~~
~~3~~	~~3~~	~~3~~
~~4~~	~~4~~	~~4~~
~~5~~	~~5~~	~~5~~
~~6~~	~~6~~	~~6~~
~~7~~	~~7~~	~~7~~
~~8~~	~~8~~	~~8~~
~~9~~	~~9~~	~~9~~

24. PARENTAL INCOME

~~0~~	~~0~~	~~0~~
~~1~~	~~1~~	~~1~~
~~2~~	~~2~~	~~2~~
~~3~~	~~3~~	~~3~~
~~4~~	~~4~~	~~4~~
~~5~~	~~5~~	~~5~~
~~6~~	~~6~~	~~6~~
~~7~~	~~7~~	~~7~~
~~8~~	~~8~~	~~8~~
~~9~~	~~9~~	~~9~~

25. YOUR INCOME

~~0~~	~~0~~	0
~~1~~	~~1~~	~~1~~
~~2~~	~~2~~	~~2~~
~~3~~	~~3~~	~~3~~
~~4~~	~~4~~	~~4~~
~~5~~	~~5~~	~~5~~
~~6~~	~~6~~	~~6~~
~~7~~	~~7~~	~~7~~
~~8~~	~~8~~	~~8~~
~~9~~	~~9~~	~~9~~

26. COLLEGE SUPPORT

COLUMN A			COLUMN B			COLUMN C			COLUMN D		
~~0~~	~~0~~	~~0~~	~~0~~	~~0~~	~~0~~	~~0~~	~~0~~	~~0~~	~~0~~	~~0~~	~~0~~
1	1	1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9	9	9

COLUMN E			COLUMN F			COLUMN G			COLUMN H		
0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9	9	9

27. REPAY

L
Y
P
S
B
D

28. BACKGROUND

COLUMN "A" FATHER	COLUMN "B" MOTHER
~~A~~	A
~~B~~	B
~~C~~	~~C~~
~~D~~	~~D~~
~~E~~	~~E~~
~~F~~	F
~~G~~	~~G~~
~~H~~	~~H~~
~~I~~	~~I~~
~~J~~	~~J~~
~~K~~	~~K~~

OTHER ______________

29. GRANDPARENTS

~~0~~
1
2
3
4

30. EDUCATION

COLUMN "A" MOTHER	COLUMN "B" FATHER
0	0
1	1
2	2
3	3
4	4
5	5

31. RELIGION

COLUMN "A" READER	COLUMN "B" PREFERENCE
P	P
C	C
J	J
O	O
N	N

____
(OTHER)

32. SERVICES

COL. "A"	COL. "B"	COL. "C"
W	W	W
S	S	S
C	C	C
I	I	I
N	N	N

33. ______________________
(NAME)

____
(ADDRESS)

____
(CITY)

34. CAREERS

COLUMN "A" YOU		COLUMN "B" FATHER		COLUMN "C" MOTHER	
0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

35. [illegible]

COLUMN "A" [illegible]	COLUMN "B" [illegible]
A	A
B	B
C	C
D	D
E	E
F	F
G	G
H	H
I	I
J	J
K	K
	L
M	M
N	N

____
(OTHER)

36. TURNING PAGES

~~C~~
I
D

DO NOT MARK HERE

0	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
~~7~~	~~7~~	~~7~~	~~7~~
~~8~~	~~8~~	~~8~~	~~8~~
~~9~~	~~9~~	~~9~~	~~9~~

Appendix J

Percentage and Frequency Tabulations for Each Item of the Senior Survey by Type of Institution

```
               * * * * * * * * * * * * *
                  STUDENT STATUS, Q.1
               * * * * * * * * * * * * *


                   COUNT  I
                 COL PCT  IALL 2-YR ALL 4-YR ALL UNI-    ROW
                          I COLLEGE  COLLEGE VERSITY    TOTAL
                          I     1 I      2 I      3 I
VAR001            --------I-------I--------I--------I
                       1  I   504 I    208 I   1380 I   2092
   FLL-TIME STUDENT       I  81.7 I   91.2 I   75.9 I   78.6
                         -I-------I--------I--------I
                       2  I    87 I     11 I    216 I    315
   PRT-TIME STUDENT       I  14.2 I    4.8 I   11.9 I   11.8
                         -I-------I--------I--------I
                       3  I    25 I      9 I    221 I    255
   NOT   A STUDENT        I   4.1 I    3.9 I   12.2 I    9.6
                         -I-------I--------I--------I
                  COLUMN      617      228     1817     2662
                   TOTAL     23.2      8.6     68.3    100.0



               COUNT  I
             COL PCT  IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC    PRIVATE     ROW
                      I-YR COLL 2-YR COL 4-YR COL UNIV      UNIV        TOTAL
                      I      1 I      2 I      3 I      4 I      5 I
VAR001        --------I--------I--------I--------I--------I--------I
                   1  I    437 I     67 I    208 I   1076 I    303 I    2092
  FLL-TIME STUDENT    I   79.8 I   97.5 I   91.2 I   75.9 I   76.2 I    78.6
                     -I--------I--------I--------I--------I--------I
                   2  I     87 I      1 I     11 I    150 I     67 I     315
  PRT-TIME STUDENT    I   15.8 I    1.0 I    4.8 I   10.5 I   16.8 I    11.8
                     -I--------I--------I--------I--------I--------I
                   3  I     24 I      1 I      9 I    193 I     28 I     255
  NOT   A STUDENT     I    4.4 I    1.5 I    3.9 I   13.6 I    7.0 I     9.6
                     -I--------I--------I--------I--------I--------I
              COLUMN       548       68      228     1419      398      2662
               TOTAL      20.6      2.6      8.6     53.3     15.0     100.0
```

```
                    * * * * * * *
                      SEX, Q.2
                    * * * * * * *
```

```
             COUNT  I
             COL PCT IALL 2-YR ALL 4-YR ALL UNI-   ROW
                     I COLLEGE  COLLEGE VERSITY   TOTAL
                     I     1  I     2  I     3  I
VAR002       --------I--------I--------I--------I
                   1 I   323  I    93  I  1082  I  1498
  MALE               I  52.9  I  41.3  I  59.8  I  56.7
                    -I--------I--------I--------I
                   2 I   287  I   132  I   726  I  1146
  FEMALE             I  47.1  I  58.7  I  40.2  I  43.3
                    -I--------I--------I--------I
             COLUMN     610      225     1808     2644
              TOTAL    23.1      8.5     68.4    100.0
```

```
             COUNT  I
             COL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    ROW
                     I-YR COLL 2-YR COL 4-YR COL UNIV     UNIV      TOTAL
                     I     1  I     2  I     3  I     4  I     5  I
VAR002       --------I--------I--------I--------I--------I--------I
                   1 I   284  I    39  I    93  I   799  I   283  I  1498
  MALE               I  52.4  I  57.0  I  41.3  I  56.7  I  71.1  I  56.7
                    -I--------I--------I--------I--------I--------I
                   2 I   257  I    30  I   132  I   611  I   115  I  1146
  FEMALE             I  47.6  I  43.0  I  58.7  I  43.3  I  28.9  I  43.3
                    -I--------I--------I--------I--------I--------I
             COLUMN     541       69      225     1411      398     2644
              TOTAL    20.5      2.6      8.5     53.4     15.0    100.0
```

```
                                         * * * * * * * * * *
                                          AGE BY JUNE 1973
                                         * * * * * * * * * *
                                                                I
           COUNT  I
         COL PCT  IALL 2-YR ALL 4-YR ALL UNI-    ROW            IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC    PRIVATE     ROW
                  I COLLEGE  COLLEGE VERSITY    TOTAL           I-YR COLL 2-YR COL 4-YR COL UNIV      UNIV       TOTAL
                  I    1    I    2   I    3   I                 I    1    I    2   I    3   I    4   I    5   I
                  I---------I--------I--------I                 I---------I--------I--------I--------I--------I
GE        --------I---------I--------I--------I                 I    1    I    1   I    0   I    0   I    1   I      3
               1  I     2   I     0  I     1  I       3         I   0.1   I   2.0  I   0.0  I   0.0  I   0.2  I    0.
18 AND UNDER      I   0.3   I   0.0  I   0.0  I     0.1         I---------I--------I--------I--------I--------I
                 -I---------I--------I--------I                 I   141   I   25   I    0   I    3   I    0   I    16
               2  I   166   I     0  I     3  I     168         I  25.5   I  36.0  I   0.0  I   0.2  I   0.0  I    6.
19                I  26.7   I   0.0  I   0.2  I     6.3         I---------I--------I--------I--------I--------I
                 -I---------I--------I--------I                 I   133   I   31   I    5   I   33   I   12   I    21
               3  I   164   I     5  I    45  I     214         I  24.1   I  44.2  I   2.3  I   2.3  I   3.0  I    8.
20                I  26.4   I   2.3  I   2.5  I     8.0         I---------I--------I--------I--------I--------I
                 -I---------I--------I--------I                 I    59.  I    5   I   113  I   482  I   168  I    82
               4  I    64   I   113  I   650  I     827         I  10.6   I   7.9  I  49.5  I  33.8  I  42.2  I   31.0
21                I  10.3   I  49.5  I  35.7  I    31.0         I---------I--------I--------I------- -I--------I
                 -I---------I--------I--------I                 I    21   I    1   I    77  I   383  I   135  I    61
               5  I    22   I    77  I   518  I     617         I   3.8   I   2.0  I  33.6  I  26.9  I  34.0  I   23.
22                I   3.6   I  33.6  I  28.4  I    23.1         I---------I--------I--------I--------I--------I
                 -I---------I--------I--------I                 I    21   I    2   I    8   I   138  I   26   I    19
               6  I    23   I     8  I   164  I     195         I   3.8   I   3.0  I   3.5  I   9.7  I   6.5  I    7.
23                I   3.7   I   3.5  I   9.0  I     7.3         I---------I--------I--------I--------I--------I
                 -I---------I--------I--------I                 I    25   I    0   I    5   I    73  I   15   I    11
               7  I    25   I     5  I    89  I     119         I   4.5   I   0.5  I   2.1  I   5.2  I   3.8  I    4.
24                I   4.1   I   2.1  I   4.9  I     4.4         I---------I--------I--------I--------I--------I
                 -I---------I--------I--------I                 I    30   I    2   I    4   I    68  I    5   I    10
               8  I    32   I     4  I    73  I     109         I   5.5   I   2.5  I   1.8  I   4.8  I   1.2  I    4.
25                I   5.2   I   1.8  I   4.0  I     4.1         I---------I--------I--------I--------I--------I
                 -I---------I--------I--------I                 I    19   I    1   I    2   I    53  I    4   I     7
               9  I    20   I     2  I    57  I      79         I   3.5   I   1.0  I   1.0  I   3.7  I   1.0  I    3.
26                I   3.2   I   1.0  I   3.1  I     3.0         I---------I--------I--------I--------I--------I
                 -I---------I--------I--------I                 I    10   I    1   I    1   I    47  I    2   I     6
              10  I    11   I     1  I    49  I      60         I   1.8   I   1.0  I   0.4  I   3.3  I   0.6  I    2.
27                I   1.7   I   0.4  I   2.7  I     2.3         I---------I--------I--------I--------I--------I
                 -I---------I--------I--------I                 I    49   I    0   I    8   I    93  I   22   I    17
              11  I    49   I     8  I   114  I     171         I   8.9   I   0.0  I   3.4  I   6.5  I   5.5  I    6.
28-35             I   7.9   I   3.4  I   6.3  I     6.4         I---------I--------I--------I--------I--- ----I
                 -I---------I--------I--------I                 I    28   I    0   I    4   I    27  I    5   I     6
              12  I    28   I     4  I    32  I      64         I   5.1   I   0.0  I   1.6  I   1.9  I   1.4  I    2.
36-45             I   4.5   I   1.6  I   1.8  I     2.4         I---------I--------I--------I--------I--------I
                 -I---------I--------I--------I                      551       69       228      1425      398      267
          COLUMN        620       228      1823    2671               20.6      2.6       8.5      53.3     14.9     100.
           TOTAL       23.2       8.5      68.2   100.0
(CONTINUED)
```

```
                                   * * * * * * * * * * *
                                    AGE BY JUNE 1973
                                   * * * * * * * * * * *

          CØUNT  I                                      I
          CØL PCT IALL 2-YR ALL 4-YR ALL UNI-    RØW    IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC    PRIVATE     RØW
                  I CØLLEGE  CØLLEGE VERSITY     TØTAL  I-YR CØLL 2-YR CØL 4-YR CØL UNIV      UNIV       TØTAL
                  I     1  I     2  I     3  I          I     1  I     2  I     3  I     4  I     5  I
AGE       --------I--------I--------I--------I          I--------I--------I--------I--------I--------I
              13  I    11  I     2  I    21  I     34   I    11  I     0  I     2  I    20  I     2  I     34
  46-55           I   1.8  I   0.8  I   1.2  I    1.3   I   2.0  I   0.0  I   0.8  I   1.4  I   0.4  I    1.3
                 -I--------I--------I--------I          I--------I--------I--------I--------I--------I
              14  I     4  I     0  I     6  I     10   I     4  I     0  I     0  I     6  I     1  I     10
  ØVER 56         I   0.6  I   0.1  I   0.3  I    0.4   I   0.7  I   0.0  I   0.1  I   0.4  I   0.2  I    0.4
                 -I--------I--------I--------I          I--------I--------I--------I--------I--------I
          CØLUMN     620      228     1823     2671        551       69      228     1425      398       2671
           TØTAL    23.2      8.5     68.2    100.0       20.6      2.6      8.5     53.3     14.9      100.0
```

```
                    * * * * * * * * * * * * *
                     MARITAL STATUS, Q.4
                    * * * * * * * * * * * * *


              COUNT  I
            COL PCT  IALL 2-YR ALL 4-YR ALL UNI-    ROW
                     I COLLEGE  COLLEGE VERSITY    TOTAL
                     I     1  I     2  I     3  I
VAR004       --------I--------I--------I--------I
                   1 I   160  I    33  I   510  I   703
  MARRIED            I  26.2  I  14.6  I  28.4  I  26.7
                    -I--------I--------I--------I
                   2 I   421  I   192  I  1247  I  1859
  NEVER     MARRIED  I  68.9  I  84.7  I  69.4  I  70.6
                    -I--------I--------I--------I
                   3 I    30  I     1  I    40  I    71
  DIV-SPRT-WIDOWED   I   4.8  I   0.6  I   2.2  I   2.7
                    -I--------I--------I--------I
             COLUMN      610      226     1797     2633
              TOTAL     23.2      8.6     68.2    100.0



          COUNT  I
        COL PCT  IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    ROW
                 I-YR COLL 2-YR COL 4-YR COL UNIV     UNIV      TOTAL
                 I     1  I     2  I     3  I     4  I     5  I
VAR004   --------I--------I--------I--------I--------I--------I
               1 I   157  I     3  I    33  I   437  I    73  I   703
  MARRIED        I  28.9  I   4.9  I  14.6  I  31.2  I  18.5  I  26.7
                -I--------I--------I--------I--------I--------I
               2 I   355  I    66  I   192  I   930  I   317  I  1859
  NEVER   MARRIED I  65.6 I  95.1  I  84.7  I  66.3  I  80.6  I  70.6
                -I--------I--------I--------I--------I--------I
               3 I    30  I     0  I     1  I    36  I     4  I    71
  DIV-SPRT-WIDOWED I   5.5 I   0.0  I   0.6  I   2.6  I   0.9  I   2.7
                -I--------I--------I--------I--------I--------I
         COLUMN      541       69      226     1403      394     2633
          TOTAL     20.5      2.6      8.6     53.3     14.9    100.0
```

```
                    * * * * * * * *
                      RACE,Q.6
                    * * * * * * * *

              COUNT   I
              COL PCT IALL 2-YR ALL 4-YR ALL UNI-   ROW
                      I COLLEGE  COLLEGE VERSITY   TOTAL
                      I     1  I     2  I     3  I
VAR007        --------I--------I--------I--------I
                    1 I   552  I   216  I  1594  I  2361
   WHITE - CAUCASN    I  89.8  I  95.5  I  87.7  I  88.8
                     -I--------I--------I--------I
                    2 I    45  I     7  I   178  I   229
   BLACK              I   7.3  I   3.1  I   9.8  I   8.6
                     -I--------I--------I--------I
                    3 I     4  I     1  I    26  I    31
   ORIENTAL           I   0.7  I   0.6  I   1.4  I   1.2
                     -I--------I--------I--------I
                    4 I     7  I     1  I     6  I    14
   CHICANO-MEX.AMER   I   1.2  I   0.3  I   0.3  I   0.5
                     -I--------I--------I--------I
                    5 I     5  I     1  I     9  I    14
   PUERTO R.-LT.AM.   I   0.7  I   0.4  I   0.5  I   0.5
                     -I--------I--------I--------I
                    6 I     2  I     0  I     5  I     7
   OTHER              I   0.3  I   0.1  I   0.3  I   0.3
                     -I--------I--------I--------I
               COLUMN     614      226     1818     2658
                TOTAL    23.1      8.5     68.4    100.0


              COUNT   I
              COL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    ROW
                      I-YR COLL 2-YR COL 4-YR COL UNIV     UNIV      TOTAL
                      I     1  I     2  I     3  I     4  I     5  I
VAR007        --------I--------I--------I--------I--------I--------I
                    1 I   485  I    67  I   216  I  1224  I   369  I  2361
   WHITE - CAUCASN    I  88.8  I  98.0  I  95.5  I  86.2  I  92.9  I  88.8
                     -I--------I--------I--------I--------I--------I
                    2 I    44  I     0  I     7  I   167  I    11  I   229
   BLACK              I   8.1  I   0.5  I   3.1  I  11.8  I   2.7  I   8.6
                     -I--------I--------I--------I--------I--------I
                    3 I     3  I     1  I     1  I    13  I    13  I    31
   ORIENTAL           I   0.6  I   1.5  I   0.6  I   0.9  I   3.3  I   1.2
                     -I--------I--------I--------I--------I--------I
                    4 I     7  I     0  I     1  I     6  I     1  I    14
   CHICANO-MEX.AMER   I   1.3  I   0.0  I   0.3  I   0.4  I   0.2  I   0.5
                     -I--------I--------I--------I--------I--------I
                    5 I     5  I     0  I     1  I     7  I     1  I    14
   PUERTO R.-LT.AM.   I   0.8  I   0.0  I   0.4  I   0.5  I   0.3  I   0.5
                     -I--------I--------I--------I--------I--------I
                    6 I     2  I     0  I     0  I     3  I     2  I     7
   OTHER              I   0.4  I   0.0  I   0.1  I   0.2  I   0.6  I   0.3
                     -I--------I--------I--------I--------I--------I
               COLUMN     546       68      226     1420      398     2658
                TOTAL    20.5      2.6      8.5     53.4     15.0    100.0
```

```
                                     * * * * * * * * * * * *
                                     G.P.A, HIGH SCHØØL, Q.7
                                     * * * * * * * * * * * * *
                                                                 I
          CØUNT   I                                              I
          CØL PCT IALL 2-YR ALL 4-YR ALL UNI-     RØW      IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC    PRIVATE     RØW
                  I CØLLEGE  CØLLEGE VERSITY     TØTAL     I-YR CØLL 2-YR CØL 4-YR CØL UNIV      UNIV       TØTAL
                  I    1    I    2   I    3    I           I    1    I    2    I    3    I    4    I    5    I
                  I---------I---------I---------I          I---------I---------I---------I---------I---------I
ARDOB    ---------I---------I---------I---------I
               1  I    18   I    27   I   173   I   218    I    17   I     1   I    27   I   108   I    65   I  218
                  I   2.9   I  11.7   I   9.5   I   8.2    I   3.1   I   1.5   I  11.7   I   7.6   I  16.4   I  8.2
A                                                          I---------I---------I---------I---------I---------I
                 -I---------I---------I---------I
               2  I    42   I    40   I   333   I   415    I    41   I     2   I    40   I   243   I    90   I  415
                  I   6.9   I  17.5   I  18.4   I  15.6    I   7.4   I   2.6   I  17.5   I  17.1   I  22.7   I 15.6
A-                                                         I---------I---------I---------I---------I---------I
                 -I---------I---------I---------I
               3  I    98   I    52   I   338   I   488    I    89   I     8   I    52   I   240   I    98   I  488
                  I  15.9   I  23.0   I  18.6   I  18.4    I  16.3   I  12.2   I  23.0   I  17.0   I  24.7   I 18.4
B+                                                         I---------I---------I---------I---------I---------I
                 -I---------I---------I---------I
               4  I   123   I    41   I   316   I   480    I   113   I    11   I    41   I   257   I    59   I  480
                  I  20.1   I  18.0   I  17.4   I  18.1    I  20.6   I  15.7   I  18.0   I  18.1   I  15.0   I 18.1
B                                                          I---------I---------I---------I---------I---------I
                 -I---------I---------I---------I
               5  I    88   I    29   I   227   I   344    I    77   I    11   I    29   I   195   I    32   I  344
                  I  14.4   I  12.6   I  12.5   I  13.0    I  14.2   I  16.0   I  12.6   I  13.8   I   8.0   I 13.0
B-                                                         I---------I---------I---------I---------I---------I
                 -I---------I---------I---------I
               6  I   108   I    22   I   244   I   375    I    94   I    14   I    22   I   214   I    30   I  375
                  I  17.6   I   9.9   I  13.5   I  14.1    I  17.2   I  20.9   I   9.9   I  15.1   I   7.6   I 14.1
C+                                                         I------ -I---------I---------I---------I---------I
                 -I---------I---------I---------I
               7  I    96   I    12   I   113   I   222    I    83   I    13   I    12   I    96   I    17   I  222
                  I  15.7   I   5.4   I   6.2   I   8.3    I  15.3   I  18.8   I   5.4   I   6.8   I   4.3   I  8.3
C                                                          I---------I---------I---------I---------I---------I
                 -I---------I---------I---------I
               8  I    34   I     4   I    58   I    95    I    26   I     8   I     4   I    52   I     5   I   95
                  I   5.5   I   1.6   I   3.2   I   3.6    I   4.8   I  11.4   I   1.6   I   3.7   I   1.3   I  3.6
C-                                                         I---------I---------I---------I---------I---------I
                 -I---------I---------I---------I
               9  I     7   I     1   I    11   I    19    I     6   I     1   I     1   I    11   I     0   I   19
D+ ØR    LØWER    I   1.1   I   0.3   I   0.6   I   0.7    I   1.1   I   1.0   I   0.5   I   0.8   I   0.0   I  0.7
                 -I---------I---------I---------I          I---------I----- --I---------I---------I---------I
          CØLUMN       615       227      1813      2656         546        69       227      1417       396     2656
           TØTAL      23.2       8.6      68.3     100.0        20.6       2.6       8.6      53.4      14.9    100.0
```

```
                          * * * * * * * * * * * *   C R Ø
                          G.P.A. ØVERALL UNDERGRADUATE.
                          * * * * * * * * * * * * * * * * *

         CØUNT  I                                         I
         CØL PCT IALL 2-YR ALL 4-YR ALL UNI-    RØW      IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC    PRIVATE     RØW
                 I CØLLEGE  CØLLEGE VERSITY    TØTAL     I-YR CØLL 2-YR CØL 4-YR CØL UNIV      UNIV       TØTAL
                 I    1    I    2   I    3    I          I    1    I    2    I    3    I    4    I    5    I
VAR009   --------I---------I--------I---------I          I---------I---------I---------I---------I---------I
              1  I    29   I    15  I    78   I   122    I    25   I     4   I    15   I    53   I    24   I    122
  A              I   4,7   I   6,7  I   4.3   I   4.6    I   4.7   I   5.2   I   6,7   I   3.8   I   6.1   I    4.6
                -I---------I--------I---------I          I---------I---------I---------I---------I---------I
              2  I    66   I    32  I   174   I   271    I    59   I     7   I    32   I   134   I    40   I    271
  A-             I  10,8   I  14.1  I   9.5   I  10.2    I  10.9   I   9.8   I  14.1   I   9.4   I  10.0   I   10.2
                -I---------I--------I---------I          I---------I---------I---------I---------I---------I
              3  I   114   I    48  I   329   I   492    I   109   I     5   I    48   I   245   I    84   I    492
  B+             I  18,7   I  21.4  I  18,1   I  18.5    I  20.1   I   7,8   I  21.4   I  17.2   I  21.2   I   18.5
                -I---------I--------I---------I          I---------I---------I---------I---------I---------I
              4  I   152   I    52  I   351   I   555    I   132   I    20   I    52   I   268   I    83   I    555
  B              I  25,0   I  22,9  I  19.2   I  20.9    I  24.4   I  29,8   I  22,9   I  18.8   I  20.8   I   20.9
                -I---------I--------I---------I          I---------I---------I---------I---------I---------I
              5  I    98   I    39  I   354   I   490    I    86   I    12   I    39   I   277   I    77   I    490
  B-             I  16.1   I  17.1  I  19.4   I  18.4    I  15.9   I  17.4   I  17.1   I  19,5   I  19.3   I   18.4
                -I---------I--------I---------I          I---------I---------I---------I---------I---------I
              6  I    94   I    30  I   377   I   502    I    86   I     9   I    30   I   314   I    64   I    502
  C+             I  15,5   I  13,5  I  20,7   I  18,9    I  15,8   I  12,8   I  13,5   I  22.0   I  16.0   I   18,9
                -I---------I--------I---------I          I---------I---------I---------I---------I---------I
              7  I    53   I     9  I   150   I   212    I    42   I    11   I     9   I   126   I    24   I    212
  C              I   8.7   I   4,2  I   8,2   I   8.0    I   7.8   I  16.2   I   4,2   I   8,9   I   6.0   I    8.0
                -I---------I--------I---------I          I---------I---------I---------I---------I---------I
              8  I     3   I     0  I    10   I    13    I     3   I     1   I     0   I     7   I     2   I     13
  C-             I   0.5   I   0.1  I   0.5   I   0,5    I   0.5   I   1.0   I   0.1   I   0,5   I   0.6   I    0,5
                -I---------I--------I---------I          I---------I---------I---------I---------I---------I
         CØLUMN     609       226     1822      2657         542        67        225      1425       398       2657
          TØTAL    22.9       8.5     68,6     100.0        20.4       2.5        8.5      53,6      15.0      100.0
```

```
                                   * * * * * * * * * * * * *   C R Ø
                                    G.P.A. UNDERGRADUATE MAJØR,
                                   * * * * * * * * * * * * * * * * * * * *
          CØUNT   I                                        I
        CØL PCT  IALL 2-YR ALL 4-YR ALL UNI-    RØW      IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC    PRIVATE      RØW
                 I CØLLEGE  CØLLEGE VERSITY    TØTAL     I-YR CØLL 2-YR CØL 4-YR CØL UNIV      UNIV        TØTAL
                 I     1  I     2  I     3  I            I     1  I     2  I     3  I     4  I     5  I
VAR010   --------I--------I--------I--------I           .I--------I--------I--------I--------I--------I
               1 I    96  I    51  I   255  I    402     I    87  I    10  I    51  I   201  I    53  I    402
A                I  18.1  I  24.0  I  14.6  I   16.2     I  18.1  I  18.1  I  24.0  I  14.8  I  14.0  I   16.2
                -I--------I--------I--------I           .I--------I--------I--------I--------I--------I
               2 I    86  I    52  I   391  I    531     I    80  I     9  I    52  I   304  I    87  I    531
A-               I  16.3  I  24.3  I  22.5  I   21.3     I  16.6  I  16.2  I  24.3  I  22.4  I  22.7  I   21.3
                -I--------I--------I--------I           .I--------I--------I--------I--------I--------I
               3 I   113  I    45  I   354  I    512     I   106  I     7  I    45  I   272  I    82  I    512
B+               I  21.1  I  21.2  I  20.3  I   20.6     I  22.1  I  12.3  I  21.2  I  20.0  I  21.6  I   20.6
                -I--------I--------I--------I           .I--------I--------I--------I--------I--------I
               4 I   122  I    56  I   380  I    538     I   107  I    14  I    36  I   307  I    74  I    539
B                I  22.6  I  17.0  I  21.9  I   21.6     I  22.4  I  26.5  I  17.0  I  22.6  I  19.3  I   21.7
                -I--------I--------I--------I           .I--------I--------I--------I--------I--------I
               5 I    42  I    15  I   171  I    228     I    38  I     3  I    15  I   123  I    48  I    228
B-               I   7.8  I   6.9  I   9.9  I    9.2     I   8.0  I   6.5  I   6.9  I   9.1  I  12.6  I    9.2
                -I--------I--------I--------I           .I--------I--------I--------I--------I--------I
               6 I    48  I    11  I   130  I    189     I    42  I     7  I    11  I   105  I    25  I    189
C+               I   9.0  I   5.0  I   7.5  I    7.6     I   8.7  I  12.2  I   5.0  I   7.7  I   6.6  I    7.6
                -I--------I--------I--------I           .I--------I--------I--------I--------I--------I
               7 I    23  I     3  I    55  I     81     I    19  I     4  I     3  I    44  I    11  I     81
C                I   4.3  I   1.5  I   3.2  I    3.3     I   3.9  I   8.3  I   1.5  I   3.3  I   2.8  I    3.3
                -I--------I--------I--------I           .I--------I--------I--------I--------I--------I
               8 I     2  I     0  I     3  I      5     I     2  I     0  I     0  I     2  I     2  I      5
C-               I   0.3  I   0.0  I   0.2  I    0.2     I   0.3  I   0.0  I   0.0  I   0.1  I   0.4  I    0.2
                -I--------I--------I--------I           .I--------I--------I--------I--------I--------I
          CØLUMN     533      213     1740      2486         480       53      213     1359      381       2485
          TØTAL     21.3      8.6     70.0     100.0        19.3      2.1      8.6     54.6     15.3      100.0
```

```
                                  * * * * * * * * * *
                                 LAST HIGH SCHØØL ATTENDED
                            * * * * * * * * * * * * * * * * *
          CØUNT   I                                          I
          CØL PCT IALL 2-YR ALL 4-YR ALL UNI-    RØW    IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC    PRIVATE    RØW
                  I CØLLEGE  CØLLEGE VERSITY    TØTAL  I-YR CØLL 2-YR CØL 4-YR CØL UNIV      UNIV      TØTAL
                  I     1   I    2   I    3   I         I    1    I    2    I    3    I    4    I    5    I
VAR01    --------I--------I--------I--------I        -I--------I--------I--------I--------I--------I
               1  I    51  I    10  I   189  I   250  I    49   I     1   I    10   I   144   I    45   I   250
 CHICAGØ, INNER C I   8.3  I   4.2  I  10.4  I   9.4  I   9.1   I   2.0   I   4.2   I  10.2   I  11.3   I   9.4
                 -I--------I--------I--------I        -I--------I--------I--------I--------I--------I
               2  I    70  I    28  I   171  I   269  I    68   I     2   I    28   I    79   I    92   I   269
 CHICAGØ, ØTHER   I  11.5  I  12.3  I   9.4  I  10.1  I  12.6   I   2.9   I  12.3   I   5.6   I  23.1   I  10.1
                 -I--------I--------I--------I        -I--------I--------I--------I--------I--------I
               3  I    86  I    63  I   372  I   521  I    77   I     9   I    63   I   284   I    87   I   521
 CHICAGØ, SUBURB  I  14.1  I  27.8  I  20.5  I  19.6  I  14.1   I  13.7   I  27.8   I  20.1   I  22.0   I  19.6
                 -I--------I--------I--------I        -I--------I--------I--------I--------I--------I
               4  I    87  I    22  I   103  I   212  I    84   I     3   I    22   I    87   I    15   I   212
 N,ILL.  URBAN    I  14.1  I   9.7  I   5.7  I   8.0  I  15.4   I   3.9   I   9.7   I   6.2   I   3.9   I   8.0
                 -I--------I--------I--------I        -I--------I--------I--------I--------I--------I
               5  I    64  I    15  I    86  I   165  I    61   I     3   I    15   I    78   I     8   I   165
 N,ILL.  RURAL    I  10.5  I   6.6  I   4.7  I   6.2  I  11.2   I   4.4   I   6.6   I   5.5   I   2.0   I   6.2
                 -I--------I--------I--------I        -I--------I--------I--------I--------I--------I
               6  I    90  I    22  I   178  I   290  I     6   I    24   I    22   I   155   I    23   I   290
 C,ILL.  URBAN    I  14.7  I   9.6  I   9.8  I  10.9  I  12.1   I  35.0   I   9.6   I  10.9   I   5.8   I  10.9
                 -I--------I--------I--------I         I--------I--------I--------I--------I--------I
               7  I    44  I    10  I   162  I   216  I    34   I    10   I    10   I   152   I    10   I   216
 C,ILL.  RURAL    I   7.2  I   4.4  I   8.9  I   8.1  I   6.3   I  14.9   I   4.4   I  10.7   I   2.5   I   8.1
                 -I------ -I--------I--------I         I--------I--------I--------I--------I--------I
               8  I    46  I     2  I   221  I   269  I    45   I     1   I     2   I   213   I     8   I   269
 S,ILL.  URBAN    I   7.6  I   0.9  I  12.2  I  10.1  I   8.3   I   2.0   I   0.9   I  15.0   I   2.0   I  10.1
                 -I--------I--------I--------I         I--------I--------I--------I--------I--------I
               9  I    15  I     1  I    93  I   109  I    15   I     0   I     1   I    91   I     2   I   109
 S,ILL.  RURAL    I   2.4  I   0.6  I   5.1  I   4.1  I   2.7   I   0.0   I   0.6   I   6.4   I   0.5   I   4.1
                 -I--------I--------I--------I         I--------I--------I--------I--------I--------I
              10  I    43  I    34  I   178  I   256  I    31   I    13   I    34   I    98   I    79   I   256
 ØUT ØF  ST- URBN I   7.1  I  15.1  I   9.8  I   9.6  I   5.7   I  18.2   I  15.1   I   6.9   I  20.0   I   9.6
                 -I--------I--------I--------I         I--------I--------I--------I--------I--------I
              11  I    15  I    20  I    61  I    96  I    15   I     2   I    20   I    34   I    28   I    96
 ØUT ØF  ST- RURL I   2.5  I   8.7  I   3.4  I   3.6  I   2.5   I   3.0   I   8.7   I   2.4   I   6.9   I   3.6
                 -I--------I--------I--------I        -I--------I--------I--------I--------I--------I
          CØLUMN      612      228     1812     2653      543       69       228      1416      397      2653
           TØTAL     23.1      8.6     68.3    100.0     20.5      2.6       8.6      53.4     15.0     100.0
```

```
                                 * * * * * * * * * * * * *
                                   CAREER DECIDED IN:
                                 * * * * * * * * * * * * *
         COUNT  I                                          I
         COL PCT IALL 2-YR ALL 4-YR ALL UNI-   ROW         IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE   ROW
                 I COLLEGE  COLLEGE VERSITY   TOTAL        I-YR COLL 2-YR COL 4-YR COL UNIV     UNIV      TOTAL
                 I      1 I      2 I      3 I              I     1 I      2 I      3 I      4 I      5 I
VAR012   --------I--------I--------I--------I              I--------I--------I--------I--------I--------I
              1  I    35  I    22  I   180  I    258       I    31  I     4  I    22  I   146  I    34  I   258
 GRAMMAR SCHOOL  I   5.7  I   9.8  I   9.9  I    6.9       I   5.6  I   5.5  I   9.8  I  10.3  I   8.5  I   6.9
                -I--------I--------I--------I              I--------I--------I--------I--------I--------I
              2  I   189  I    60  I   575  I    825       I   165  I    25  I    60  I   451  I   114  I   825
 HIGH    SCHOOL  I  30.7  I  26.5  I  31.6  I   31.0       I  30.1  I  35.5  I  26.5  I  32.4  I  28.7  I  31.0
                -I--------I--------I--------I              I--------I--------I--------I--------I--------I
              3  I    27  I     2  I    56  I     86       I    26  I     0  I     2  I    53  I     5  I    86
 MILITARY SERVC  I   4.3  I   0.9  I   3.2  I    3.2       I   4.8  I   0.5  I   0.9  I   3.7  I   1.2  I   3.2
                -I--------I--------I--------I              I--------I--------I--------I--------I--------I
              4  I    66  I     8  I    92  I    166       I    62  I     5  I     8  I    96  I    26  I   166
 A JOB   I HELD  I  10.6  I   3.5  I   5.1  I    6.2       I  11.4  I   4.9  I   3.5  I   6.8  I   6.8  I   6.2
                -I--------I--------I--------I              I--------I--------I--------I--------I--------I
              5  I   218  I    58  I   410  I    686       I   199  I    20  I    58  I   319  I    91  I   686
 COLLEGE, FR-SPH I  35.4  I  25.4  I  22.5  I   25.8       I  36.2  I  28.5  I  25.4  I  22.4  I  22.9  I  25.8
                -I--------I--------I--------I              I--------I--------I--------I--------I--------I
              6  I    18  I    47  I   397  I    462       I    15  I     3  I    47  I   306  I    91  I   462
 COLLEGE, JR-SR  I   2.9  I  20.5  I  21.8  I   17.3       I   2.8  I   4.4  I  20.5  I  21.5  I  22.9  I  17.3
                -I--------I--------I--------I              I--------I--------I--------I--------I--------I
              7  I    63  I    31  I   107  I    201       I    50  I    14  I    31  I    70  I    37  I   201
 UNDECIDD        I  10.3  I  13.5  I   5.9  I    7.5       I   9.1  I  19.7  I  13.5  I   4.9  I   9.2  I   7.5
                -I--------I--------I--------I              I--------I--------I--------I--------I--------I
         COLUMN      617      227     1820     2664            546       69      227     1422      398     2658
         TOTAL      23.2      8.5     68.3    100.0           20.6      2.6      8.5     53.4     15.0    100.0
```

```
      * * * * * * * * * * * *
        HØW WELL UNIV.-CØLLEGE PREPARING,
      * * * * * * * * * * * * * * * * * * *


              CØUNT  I
            CØL PCT  IALL 2-YR ALL 4-YR ALL UNI-    RØW
                     I CØLLEGE  CØLLEGE VERSITY    TØTAL
                     I     1  I     2  I     3  I
VAR013       --------I--------I--------I--------I
                   1 I   118  I    62  I   364  I   543
  EXTRMLY WELL       I  20.2  I  29.0  I  20.7  I  21.3
                    -I--------I--------I--------I
                   2 I   364  I   121  I  1118  I  1602
  FAIRLY  WELL       I  62.6  I  56.6  I  63.7  I  62.9
                    -I--------I--------I--------I
                   3 I    82  I    22  I   222  I   327
  NØT TØØ WELL       I  14.2  I  10.5  I  12.7  I  12.8
                    -I--------I--------I--------I
                   4 I    17  I     8  I    50  I    76
  VERY    PØØR       I   3.0  I   3.9  I   2.9  I   3.0
                    -I--------I--------I--------I
              CØLUMN     581      214     1754     2549
               TØTAL    22.8      8.4     68.8    100.0
```

```
              CØUNT  I
            CØL PCT  IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC    PRIVATE    RØW
                     I-YR CØLL 2-YR CØL 4-YR CØL UNIV      UNIV       TØTAL
                     I     1  I     2  I     3  I     4  I     5  I
VAR013       --------I--------I--------I--------I--------I--------I
                   1 I   106  I    12  I    62  I   279  I    85  I   543
  EXTRMLY WELL       I  20.4  I  19.1  I  29.0  I  20.3  I  22.5  I  21.3
                    -I--------I--------I--------I--------I--------I
                   2 I   328  I    36  I   121  I   899  I   218  I  1603
  FAIRLY  WELL       I  63.1  I  58.3  I  56.6  I  65.2  I  58.1  I  62.9
                    -I--------I--------I--------I--------I--------I
                   3 I    70  I    12  I    22  I   161  I    61  I   327
  NØT TØØ WELL       I  13.5  I  19.9  I  10.5  I  11.7  I  16.4  I  12.8
                    -I--------I--------I--------I--------I--------I
                   4 I    16  I     2  I     8  I    39  I    11  I    76
  VERY    PØØR       I   3.0  I   2.8  I   3.9  I   2.8  I   2.9  I   3.0
                    -I--------I--------I--------I--------I--------I
              CØLUMN     519       62      214     1379      375     2549
               TØTAL    20.4      2.4      8.4     54.1     14.7    100.0
              CHANCES ØF FINDING WØRKK, SHØRT RUN,Q.11
           * * * * * * * * * * * * * * * * * * * * * *


                   CØUNT  I
                   CØL PCT IALL 2-YR ALL 4-YR ALL UNI-    RØW
                           I CØLLEGE  CØLLEGE VERSITY    TØTAL
                           I    1   I    2   I    3   I
         VAR014    --------I--------I--------I--------I
                      1    I   220  I    59  I   489  I    768
          VERY     PRØMISNG I  39.0 I  26.8  I  27.9  I   30.3
                          -I--------I--------I--------I
                      2    I   205  I    74  I   544  I    823
          SØMEWHAT PRØMSNG I  36.4  I  33.7  I  31.1  I   32.5
                          -I--------I--------I--------I
                      3    I   117  I    65  I   485  I    667
          SØMEWHAT DSCRGNG I  20.8  I  29.5  I  27.7  I   26.3
                          -I--------I--------I--------I
                      4    I    22  I    22  I   232  I    276
          VERY DISCØURAGNG I   3.8  I  10.0  I  13.3  I   10.9
                          -I--------I--------I--------I
                   CØLUMN      563      220     1751      2534
                    TØTAL      22.2     8.7     69.1     100.0


              CØUNT   I
              CØL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE     RØW
                      I-YR CØLL 2-YR CØL 4-YR CØL UNIV     UNIV       TØTAL
                      I    1   I    2   I    3   I    4   I    5   I
    VAR014    --------I--------I--------I--------I--------I--------I
                 1    I   203  I    16  I    59  I   354  I   135  I    768
     VERY     PRØMISNG I  40.3 I  27.2  I  26.8  I  26.0  I  34.6  I   30.3
                     -I--------I--------I--------I--------I--------I
                 2    I   176  I    29  I    74  I   441  I   105  I    823
     SØMEWHAT PRØMSNG I  34.9  I  49.1  I  33.7  I  32.4  I  26.9  I   32.5
                     -I--------I--------I--------I--------I--------I
                 3    I   105  I    12  I    65  I   383  I   102  I    667
     SØMEWHAT DSCRGNG I  20.8  I  20.9  I  29.5  I  28.1  I  26.5  I   26.3
                     -I--------I--------I--------I--------I--------I
                 4    I    20  I     2  I    22  I   186  I    47  I    276
     VERY DISCØURAGNG I   3.9  I   2.9  I  10.0  I  13.6  I  12.1  I   10.9
                     -I--------I--------I--------I--------I--------I
              CØLUMN      504       60      220     1364      386      2534
               TØTAL      19.9      2.3      8.7     53.8     15.3     100.0
```

```
        CHANCES ØF FINDING WØRRK, LØNG RUN, Q.11
      * * * * * * * * * * * * * * * * * * * * * *


                     CØUNT   I
                     CØL PCT IALL 2-YR ALL 4-YR ALL UNI-    RØW
                             I CØLLEGE  CØLLEGE VERSITY    TØTAL
                             I     1  I     2  I     3  I
        VAR015       -- -----I--------I--------I--------I
                           1 I   277  I    93  I   724  I   1094
          VERY      PRØMISNG I  49.4  I  43.2  I  42.1  I   43.8
                            -I--------I--------I--------I
                           2 I   223  I    92  I   706  I   1020
          SØMEWHAT PRØMSNG I  39.7  I  42.6  I  41.1  I   40.9
                            -I--------I--------I--------I
                           3 I    50  I    24  I   219  I    293
          SØMEWHAT DSCRGNG I   8.9  I  11.1  I  12.7  I   11.7
                            -I--------I--------I--------I
                           4 I    11  I     7  I    70  I     88
          VERY DISCØURAGNG I   2.0  I   3.1  I   4.1  I    3.5
                            -I--------I--------I--------I
                     CØLUMN       561      216     1719     2496
                      TØTAL      22.5      8.6     68.9    100.0



              CØUNT   I
              CØL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    RØW
                      I-YR CØLL 2-YR CØL 4-YR CØL UNIV     UNIV      TØTAL
                      I     1  I     2  I     3  I     4  I     5  I
     VAR015   --------I--------I--------I--------I--------I--------I
                    1 I   251  I    26  I    93  I   546  I   178  I  1094
       VERY   PRØMISNG I  50.4  I  41.3  I  43.2  I  40.9  I  46.2  I  43.8
                     -I--------I--------I--------I--------I--------I
                    2 I   195  I    27  I    92  I   546  I   160  I  1020
     SØMEWHAT PRØMSNG I  39.2  I  43.8  I  42.6  I  40.9  I  41.5  I  40.9
                     -I--------I------ --I--------I--------I--------I
                    3 I    42  I     8  I    24  I   177  I    43  I   293
     SØMEWHAT DSCRGNG I   8.4  I  13.1  I  11.1  I  13.2  I  11.0  I  11.7
                     -I--------I--------I--------I--------I--------I
                    4 I    10  I     1  I     7  I    65  I     5  I    88
     VERY DISCØURAGNG I   2.0  I   2.2  I   3.1  I   4.9  I   1.3  I   3.5
                     -I--------I--------I--------I--------I--------I
              CØLUMN       498       63      216     1334      386     2496
               TØTAL      19.9      2.5      8.6     53.4     15.5    100.0
              CLØSE REL. IN YØUR PLANNED CAREER,  Q.12
              * * * * * * * * * * * * * * * * * * * * *


                    CØUNT   I
                    CØL PCT IALL 2-YR ALL 4-YR ALL UNI-    RØW
                            I CØLLEGE  CØLLEGE VERSITY    TØTAL
                            I     1  I     2  I     3  I
VAR016              --------I--------I--------I--------I
                          1 I   129  I    50  I   393  I    571
 YES                        I  20.9  I  21.9  I  21.5  I   21.4
                           -I--------I--------I--------I
                          2 I   487  I   178  I  1430  I   2095
 NØ                         I  79.1  I  78.1  I  78.5  I   78.6
                           -I--------I--------I--------I
                    CØLUMN      615      228      1823     2666
                     TØTAL     23.1      8.5      68.4    100.0



              CØUNT   I
              CØL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    RØW
                      I-YR CØLL 2-YR CØL 4-YR CØL UNIV     UNIV       TØTAL
                      I     1  I     2  I     3  I     4  I     5  I
VAR016        --------I--------I--------I--------I--------I--------I
                    1 I   116  I    13  I    50  I   321  I    72  I    571
 YES                  I  21.1  I  19.4  I  21.9  I  22.5  I  18.1  I   21.4
                     -I--------I--------I--------I--------I--------I
                    2 I   433  I    54  I   178  I  1104  I   326  I   2095
 NØ                   I  78.9  I  80.6  I  78.1  I  77.5  I  81.9  I   78.6
                     -I--------I--------I--------I--------I--------I
              CØLUMN      548       67      228.     1425      398     2666
               TØTAL     20.6      2.5      8.5      53.4     14.9    100.0
```

```
                OVERALL EVALUATION OF UNIV.-COLL.,  Q.13
              * * * * * * * * * * * * * * * * * * * * * * *


                     COUNT   I
                     COL PCT IALL 2-YR ALL 4-YR ALL UNI-    ROW
                           . I COLLEGE  COLLEGE VERSITY    TOTAL
                             I    1   I    2   I    3   I
  VAR017            --------I--------I--------I--------I
                         1   I   135  I    45  I   329  I    510
    VERY SATISFIED           I  21.9  I  19.8  I  18.1  I   19.1
                            -I--------I--------I--------I
                         2   I   341  I   118  I   958  I   1417
    SATISED                  I  55.0  I  52.1  I  52.5  I   53.1
                            -I--------I--------I--------I
                         3   I   103  I    45  I   355  I    503
    ON THE  FENCE            I  16.6  I  19.8  I  19.5  I   18.8
                            -I--------I--------I--------I
                         4   I    35  I    14  I   127  I    175
    DISSATISFIED             I   5.6  I   6.0  I   7.0  I    6.6
                            -I--------I--------I--------I
                         5   I     6  I     5  I    54  I     65
    VERY DISSATISFD          I   1.0  I   2.3  I   3.0  I    2.4
                            -I--------I--------I--------I
                     COLUMN      619      227     1823      2670
                      TOTAL     23.2      8.5     68.3     100.0



                 COUNT   I
                 COL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE     ROW
                         I-YR COLL 2-YR COL 4-YR COL UNIV     UNIV      . TOTAL
                       . I    1   I    2   I    3   I    4   I    5   I
VAR017          --------I--------I--------I--------I--------I--------I
                     1   I   117  I    18  I    45  I   250  I    80  I    510
  VERY SATISFIED         I  21.3  I  26.3  I  19.8  I  17.5  I  20.0  I   19.1
                        -I--------I--------I--------I--------I--------I
                     2   I   310  I    31  I   118  I   749  I   209  I   1417
  SATISED                I  56.3  I  45.6  I  52.1  I  52.5  I  52.5  I   53.1
                        -I--------I--------I--------I--------I--------I
                     3   I    87  I    16  I    45  I   288  I    67  I    503
  ON THE  FENCE          I  15.8  I  23.5  I  19.8  I  20.2  I  16.8  I   18.8
                        -I--------I--------I--------I--------I--------I
                     4   I    31  I     3  I    14  I    97  I    30  I    175
  DISSATISFIED           I   5.6  I   5.0  I   6.0  I   6.8  I   7.4  I    6.6
                        -I--------I--------I--------I--------I--------I
                     5   I     5  I     1  I     5  I    41  I    13  I     65
  VERY DISSATISFD        I   1.0  I   1.5  I   2.3  I   2.9  I   3.3  I    2.4
                        -I--------I--------I--------I--------I--------I
                 COLUMN      551       68      227     1425      398      2670
                  TOTAL     20.6      2.5      8.5     53.4     14.9     100.0
```

```
        REASØN TØ ATTEND: PARENTS,          Q.19A
      * * * * * * * * * * * * * * * * * * * * * * *


                  CØUNT  I
                  CØL PCT IALL 2-YR ALL 4-YR ALL UNI-   RØW
                          I CØLLEGE  CØLLEGE VERSITY   TØTAL
                          I    1   I    2   I    3   I
         VAR018   --------I--------I--------I--------I
                       1  I   49   I   20   I  136   I   205
           VERY  IMPØRTANT I   8.0  I   9.0  I   7.5  I   7.7
                          -I--------I--------I--------I
                       3  I  167   I   69   I  405   I   641
           SØMEWHAT IMPRTNT I  27.3  I  30.6  I  22.3  I  24.2
                          -I--------I--------I--------I
                       5  I  396   I  137   I 1273   I  1806
           NØT   IMPØRTANT I  64.7  I  60.4  I  70.2  I  68.1
                          -I--------I--------I--------I
                   CØLUMN     612      227     1813     2652
                    TØTAL    23.1      8.5     68.4    100.0


                  CØUNT  I
                  CØL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    RØW
                          I-YR CØLL 2-YR CØL 4-YR CØL UNIV     UNIV      TØTAL
                          I    1   I    2   I    3   I    4   I    5   I
         VAR018   --------I--------I--------I--------I--------I--------I
                       1  I   36   I   12   I   20   I  100   I   36   I   205
           VERY  IMPØRTANT I   6.7  I  17.4  I   9.0  I   7.0  I   9.1  I   7.7
                          -I--------I--------I--------I--------I--------I
                       3  I  141   I   26   I   69   I  303   I  102   I   641
           SØMEWHAT IMPRTNT I  26.0  I  37.7  I  30.6  I  21.4  I  25.7  I  24.2
                          -I--------I--------I--------I--------I--------I
                       5  I  365   I   31   I  137   I 1014   I  259   I  1806
           NØT   IMPØRTANT I  67.3  I  44.9  I  60.4  I  71.6  I  65.2  I  68.1
                          -I--------I--------I--------I--------I--------I
                   CØLUMN     545       69      227     1416      397     2652
                    TØTAL    20.5      2.6      8.5     53.4     15.0    100.0
```

```
 * * * * * * * * * * * * *
   REASØN TO ATTEND: HIGH ACAD.REPUT.,Q.14B
 * * * * * * * * * * * * * * * * * * * * * * *

                    CØUNT   I
                    CØL PCT IALL 2-YR ALL 4-YR ALL UNI-    RØW
                            I CØLLEGE  CØLLEGE VERSITY    TØTAL
                            I     1  I     2  I     3  I
VAR019              --------I--------I--------I--------I
                          1 I     96 I    100 I    460 I    656
    VERY  IMPØRTANT         I   15.7 I   43.9 I   25.4 I   24.7
                           -I--------I--------I--------I
                          3 I    231 I    103 I    729 I   1063
    SØMEWHAT IMPRTNT        I   37.7 I   45.2 I   40.3 I   40.1
                           -I--------I--------I--------I
                          5 I    287 I     25 I    621 I    932
    NØT   IMPØRTANT         I   46.6 I   11.0 I   34.3 I   35.2
                           -I--------I--------I--------I
                    CØLUMN       614      227     1810     2652
                     TØTAL      23.2      8.6     68.3    100.0
```

```
                    CØUNT   I
                    CØL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    RØW
                            I-YR CØLL 2-YR CØL 4-YR CØL UNIV     UNIV       TØTAL
                            I     1  I     2  I     3  I     4  I     5  I
VAR019              --------I--------I--------I--------I--------I--------I
                          1 I     68 I     28 I    100 I    231 I    229 I    656
    VERY  IMPØRTANT         I   12.5 I   40.7 I   43.9 I   16.4 I   57.7 I   24.7
                           -I--------I--------I--------I--------I--------I
                          3 I    208 I     24 I    103 I    588 I    141 I   1063
    SØMEWHAT IMPRTNT        I   38.1 I   34.8 I   45.2 I   41.6 I   35.5 I   40.1
                           -I--------I--------I--------I--------I--------I
                          5 I    269 I     17 I     25 I    594 I     27 I    932
    NØT   IMPØRTANT         I   49.4 I   25.1 I   11.0 I   42.0 I    6.7 I   35.2
                           -I--------I--------I--------I--------I--------I
                    CØLUMN       545       69      227     1414      397     2652
                     TØTAL      20.6      2.6      8.6     53.3     15.0    100.0
```

```
 * * * * * * * * * * * *
   REASON TO ATTEND: GOOD FRIEND WENT,D.14C
 * * * * * * * * * * * * * * * * * * * * * *


               COUNT   I
               COL PCT IALL 2-YR ALL 4-YR ALL UNI-    ROW
                       I COLLEGE  COLLEGE VERSITY    TOTAL
                       I     1  I     2  I     3  I
 VAR020         --------I--------I--------I--------I
                     1  I    19  I    21  I   150  I    190
   VERY  IMPORTANT      I   3.2  I   9.1  I   8.3  I    7.2
                       -I--------I--------I--------I
                     3  I    97  I    28  I   317  I    443
   SOMEWHAT IMPRTNT     I  15.9  I  12.5  I  17.5  I   16.7
                       -I--------I--------I--------I
                     5  I   495  I   177  I  1343  I   2015
   NOT   IMPORTANT      I  80.9  I  78.4  I  74.2  I   76.1
                       -I--------I--------I--------I
1              COLUMN       612       226      1810     2648
                TOTAL      23.1       8.5      66.4    100.0


            COUNT   I
            COL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    ROW
                    I-YR COLL 2-YR COL 4-YR COL UNIV     UNIV      TOTAL
                    I     1  I     2  I     3  I     4  I     5  I
 VAR020      --------I--------I--------I--------I--------I--------I
                  1  I    17  I     3  I    21  I   153  I    17  I    190
   VERY  IMPORTANT   I   3.1  I   4.0  I   9.1  I   9.8  I   4.2  I    7.2
                    -I--------I--------I--------I--------I--------I
                  3  I    82  I    15  I    28  I   265  I    52  I    443
   SOMEWHAT IMPRTNT  I  15.2  I  21.6  I  12.5  I  18.8  I  13.0  I   16.7
                    -I--------I--------I--------I--------I--------I
                  5  I [illegible] I    51  I   177  I  1015  I [illegible] I   2015
   NOT   IMPORTANT   I  81.6  I  74.2  I  78.4  I  71.8  I [illegible] I   76.1
                    -I--------I--------I--------I--------I--------I
            COLUMN       543        69       226      1414       397     2648
             TOTAL      20.5       2.6       8.5      53.4      15.0    100.0
```

```
* * * * * * * * * * * * * *
  REASØN TØ ATTEND: LØW TUITIØN,      Q.140
* * * * * * * * * * * * * * * * * * * * * * * * *


               CØUNT  I
               CØL PCT IALL 2-YR ALL 4-YR ALL UNI-   RØW
                       I CØLLEGE  CØLLEGE VERSITY    TØTAL
                       I     1  I     2  I     3  I
VAR021         --------I--------I--------I--------I
                     1 I   320  I     9  I   618  I   947
  VERY  IMPØRTANT      I  52.1  I   3.9  I  34.1  I  35.7
                      -I--------I--------I--------I
                     3 I   170  I    18  I   549  I   737
  SØMEWHAT IMPRTNT     I  27.6  I   7.9  I  30.3  I  27.8
                      -I--------I--------I--------I
                     5 I   125  I   199  I   647  I   971
  NØT   IMPØRTANT      I  20.3  I  88.1  I  35.7  I  36.6
                      -I--------I--------I--------I
                COLUMN     615      226     1814    2655
                 TØTAL    23.2      8.5     68.3   100.0
```

```
               CØUNT  I
               CØL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    RØW
                       I-YR CØLL 2-YR CØL 4-YR CØL UNIV     UNIV       TØTAL
                       I     1  I     2  I     3  I     4  I     5  I
VAR021         --------I--------I--------I--------I--------I--------I
                     1 I   316  I     7  I     9  I   605  I    13  I   947
  VERY  IMPØRTANT      I  57.5  I   9.5  I   3.9  I  42.6  I   3.3  I  35.7
                      -I--------I--------I--------I--------I--------I
                     3 I   159  I    12  I    18  I   521  I    28  I   737
  SØMEWHAT IMPRTNT     I  28.9  I  17.9  I   7.9  I  36.7  I   7.0  I  27.8
                      -I--------I--------I--------I--------I--------I
                     5 I    74  I    51  I   199  I   293  I   354  I   971
  NØT   IMPØRTANT      I  13.5  I  76.1  I  88.1  I  20.7  I  89.6  I  36.6
                      -I--------I--------I--------I--------I--------I
                COLUMN     549       67      226     1419      395    2655
                 TØTAL    20.6      2.6      8.5     53.4     14.9   100.0
```

```
 * * * * * * * * * * * *
  REASØN TØ ATTEND: NØT ACCPTD ANYWH,Q.14E
 * * * * * * * * * * * * * * * * * * * * * * *

              CØUNT   I
              CØL PCT IALL 2-YR ALL 4-YR ALL UNI-   RØW
                      I CØLLEGE  CØLLEGE VERSITY    TØTAL
                      I     1  I     2  I     3  I
VAR022        --------I--------I--------I--------I
                    1 I    16  I     7  I    53  I     76
   VERY  IMPØRTANT    I   2.7  I   3.0  I   2.9  I    2.9
                     -I--------I--------I--------I
                    3 I    47  I    10  I    75  I    131
   SØMEWHAT IMPRTNT   I   7.7  I   4.2  I   4.2  I    5.0
                     -I--------I--------I--------I
                    5 I   547  I   209  I  1681  I   2438
   NØT   IMPØRTANT    I  89.6  I  92.8  I  92.9  I   92.2
                     -I--------I--------I--------I
              CØLUMN      610      226     1809     2645
               TØTAL     23.1      8.5     68.4    100.0


              CØUNT   I
              CØL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    RØW
                      I-YR CØLL 2-YR CØL 4-YR CØL UNIV     UNIV       TØTAL
                      I     1  I     2  I     3  I     4  I     5  I
VAR022        --------I--------I--------I--------I--------I--------I
                    1 I    15  I     1  I     7  I    44  I     9  I     76
   VERY  IMPØRTANT    I   2.8  I   1.4  I   3.0  I   3.1  I   2.3  I    2.9
                     -I--------I--------I--------I--------I--------I
                    3 I    30  I    15  I    10  I    62  I    18  I    131
   SØMEWHAT IMPRTNT   I   5.5  I  21.7  I   4.2  I   4.4  I   4.7  I    5.0
                     -I--------I--------I--------I--------I--------I
                    5 I   498  I    53  I   209  I  1318  I   369  I   2438
   NØT   IMPØRTANT    I  91.7  I  76.8  I  92.8  I  92.6  I  93.2  I   92.2
                     -I--------I--------I--------I--------I--------I
              CØLUMN      543       69      226     1424      396     2645
               TØTAL     20.5      2.6      8.5     53.8     15.0    100.0
```

```
* * * * * * * * * * * * * *
  REASON TO ATTEND: AWAY FROM HOME,  Q.14F
* * * * * * * * * * * * * * * * * * * * * * *



            COUNT  I
            COL PCT IALL 2-YR ALL 4-YR ALL UNI-    ROW
                    I COLLEGE  COLLEGE VERSITY   TOTAL
                    I     1  I     2  I     3  I
VAR023      --------I--------I--------I--------I
                  1 I    30  I    67  I   330  I   427
  VERY   IMPORTANT -I   5.0  I  29.4  I  18.2  I  16.1
                   -I--------I--------I--------I
                  3 I    27  I    65  I   397  I   489
  SOMEWHAT IMPRTNT  I   4.5  I  28.7  I  21.9  I  18.5
                   -I--------I--------I--------I
                  5 I   550  I    95  I  1084  I  1728
  NOT    IMPORTANT  I  90.5  I  41.8  I  59.9  I  65.4
                   -I--------I--------I--------I
            COLUMN      607      227     1810     2644
             TOTAL     23.0      8.6     68.5    100.0
```

```
            COUNT  I
            COL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    ROW
                    I-YR COLL 2-YR COL 4-YR COL UNIV     UNIV      TOTAL
                    I     1  I     2  I     3  I     4  I     5  I
VAR023      --------I--------I--------I--------I--------I--------I
                  1 I    12  I    18  I    67  I   241  I    89  I   427
  VERY   IMPORTANT  I   2.3  I  26.0  I  29.5  I  17.1  I  22.9  I  16.1
                   -I--------I--------I--------I--------I--------I
                  3 I    12  I    15  I    65  I   317  I    80  I   489
  SOMEWHAT IMPRTNT  I   2.2  I  21.7  I  28.7  I [illegible] I  20.2  I  18.5
                   -I--------I--------I--------I--------I--------I
                  5 I   514  I    36  I    95  I   855  I   228  I  1728
  NOT    IMPORTANT  I  95.5  I  51.8  I  41.8  I  60.5  I  57.4  I  65.4
                   -I--------I--------I--------I--------I--------I
            COLUMN      538       69      227     1414      397     2644
             TOTAL     20.3      2.6      8.6     53.5     15.0    100.0
```

```
 * * * * * * * * * * * *
   REASON TO ATTEND: MORE FUN,         Q.14G
 * * * * * * * * * * * * * * * * * * * * * *


               COUNT  I
             COL PCT  IALL 2-YR ALL 4-YR ALL UNI-    ROW
                      I COLLEGE  COLLEGE VERSITY    TOTAL
                      I      1  I     2  I     3  I
 VAR024       --------I---------I--------I--------I
                   1  I     13  I    14  I    96  I    123
    VERY  IMPORTANT   I    2,2  I   6,0  I   5,3  I    4,6
                     -I---------I--------I--------I
                   3  I     90  I    62  I   462  I    614
  SOMEWHAT IMPRTNT    I   14,7  I  27,6  I  25,5  I   23,2
                     -I---------I--------I--------I
                   5  I    507  I   150  I  1253  I   1910
   NOT    IMPORTANT   I   83,1  I  66,4  I  69,2  I   72,2
                     -I---------I--------I--------I
              COLUMN        610     226     1810      2646
               TOTAL       23,1     8,5     68,4     100,0


               COUNT  I
             COL PCT  IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC    PRIVATE    ROW
                      I-YR COLL 2-YR COL 4-YR COL UNIV      UNIV       TOTAL
                      I      1  I     2  I     3  I     4  I     5  I
 VAR024       --------I---------I--------I--------I--------I--------I
                   1  I     10  I     3  I    14  I    77  I    18  I    123
    VERY  IMPORTANT   I    1,8  I   4,9  I   6,0  I   5,5  I   4,6  I    4,6
                     -I---------I--------I--------I--------I--------I
                   3  I     71  I    19  I    62  I   367  I    95  I    614
  SOMEWHAT IMPRTNT    I   13,1  I  27,2  I  27,6  I  25,9  I  23,9  I   23,2
                     -I---------I--------I--------I--------I--------I
                   5  I    460  I    47  I   150  I   969  I   284  I   1911
   NOT    IMPORTANT   I   85,1  I  67,9  I  66,4  I  68,6  I  71,5  I   72,2
                     -I---------I--------I--------I--------I--------I
              COLUMN        541      69      226     1414      397     2647
               TOTAL       20.4     2,6      8,5     53,4     15,0    100,0
```

```
* * * * * * * * * * * * *
  REASON TO ATTEND: LIVE AT HOME,     Q.14H
* * * * * * * * * * * * * * * * * * * * * * *


                  COUNT  I
                  COL PCT IALL 2-YR ALL 4-YR ALL UNI-    ROW
                          I COLLEGE  COLLEGE VERSITY    TOTAL
                          I      1 I      2 I      3 I
VAR025            --------I--------I--------I--------I
                        1 I   201  I    25  I   285  I   511
   VERY  IMPORTANT        I  33.0  I  11.2  I  15.7  I  19.3
                         -I--------I--------I--------I
                        3 I   172  I    21  I   236  I   429
   SOMEWHAT IMPRTNT       I  28.2  I   9.4  I  13.0  I  16.2
                         -I--------I--------I--------I
                        5 I   237  I   179  I  1289  I  1705
   NOT   IMPORTANT        I  38.8  I  79.4  I  71.2  I  64.5
                         -I--------I--------I--------I
                   COLUMN      610      225     1810     2645
                    TOTAL     23.1      8.5     68.4    100.0


                  COUNT  I
                  COL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    ROW
                          I-YR COLL 2-YR COL 4-YR COL UNIV     UNIV      TOTAL
                          I      1 I      2 I      3 I      4 I      5 I
VAR025            --------I--------I--------I--------I--------I--------I
                        1 I   192  I     9  I    25  I   236  I    48  I   511
   VERY  IMPORTANT        I  35.5  I  13.1  I  11.2  I  16.7  I  12.3  I  19.3
                         -I--------I--------I--------I--------I--------I
                        3 I   159  I    12  I    21  I   168  I    68  I   429
   SOMEWHAT IMPRTNT       I  29.5  I  17.7  I   9.4  I  11.9  I  17.3  I  16.2
                         -I--------I--------I--------I--------I--------I
                        5 I   189  I    48  I   179  I  1011  I   278  I  1705
   NOT   IMPORTANT        I  35.0  I  69.2  I  79.4  I  71.4  I  70.5  I  64.5
                         -I--------I--------I--------I--------I--------I
                   COLUMN      541       69      225     1415      395     2645
                    TOTAL     20.4      2.6      8.5     53.5     14.9    100.0
```

```
 * * * * * * * * * * * *
   REASON TO ATTEND: HAD STUDY PRGRM, Q.14I
 * * * * * * * * * * * * * * * * * * * * * *
```

```
                COUNT  I
                COL PCT IALL 2-YR ALL 4-YR ALL UNI-   ROW
                        I COLLEGE  COLLEGE VERSITY    TOTAL
                        I      1 I      2 I      3 I
VAR026          --------I--------I--------I--------I
                      1 I     98 I     31 I    277 I    407
  VERY   IMPORTANT      I   16.0 I   13.9 I   15.4 I   15.4
                       -I--------I--------I--------I
                      3 I    123 I     47 I    311 I    481
  SOMEWHAT IMPRTNT      I   20.0 I   20.8 I   17.2 I   18.2
                       -I--------I--------I--------I
                      5 I    393 I    148 I   1217 I   1757
  NOT    IMPORTANT      I   64.0 I   65.3 I   67.4 I   66.4
                       -I--------I--------I--------I
                COLUMN       613      226     1805     2645
                 TOTAL      23.2      8.6     68.2    100.0
```

```
             COUNT   I
             COL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC    PRIVATE     ROW
                     I-YR COLL 2-YR COL 4-YR COL UNIV      UNIV        TOTAL
                     I      1 I      2 I      3 I      4 I      5 I
VAR026       --------I--------I--------I--------I----- --I--------I
                   1 I     89 I      9 I     31 I    215 I     62 I    407
  VERY   IMPORTANT   I   16.3 I   13.4 I   13.9 I   15.3 I   15.8 I   15.4
                    -I--------I--------I--------I--------I--------I
                   3 I    104 I     18 I     47 I    228 I     83 I    481
  SOMEWHAT IMPRTNT   I   19.1 I   26.7 I   20.8 I   16.1 I   21.1 I   18.2
                    -I--------I--------I--------I--------I--------I
                   5 I    351 I     41 I    148 I    968 I    249 I   1757
  NOT    IMPORTANT   I   64.5 I   59.9 I   65.3 I   68.6 I   63.2 I   66.4
                    -I--------I--------I--------I--------I--------I
             COLUMN       544       69      226     1411      394     2645
              TOTAL      20.6      2.6      8.6     53.3     14.9    100.0
```

```
* * * * * * * * * * * * * * *
  RATE: QUALITY OF CLASSRM TEACHING, Q.15A
* * * * * * * * * * * * * * * * * * * * * * *



                COUNT  I
                COL PCT IALL 2-YR ALL 4-YR ALL UNI-    ROW
                        I COLLEGE  COLLEGE VERSITY    TOTAL
                        I      1 I      2 I      3 I
VAR027          --------I--------I--------I--------I
                       1 I    133 I     49 I    239 I    422
  EXCELLNT              I   21.6 I   21.8 I   13.2 I   15.9
                       -I--------I--------I--------I
                       2 I    371 I    138 I   1035 I   1544
  GOOD                  I   60.0 I   61.3 I   57.2 I   58.2
                       -I--------I--------I--------I
                       3 I    101 I     32 I    438 I    571
  FAIR                  I   16.3 I   14.3 I   24.2 I   21.5
                       -I--------I--------I--------I
                       4 I     13 I      6 I     96 I    115
  POOR                  I    2.2 I    2.6 I    5.3 I    4.3
                       -I--------I--------I--------I
                COLUMN       619      225     1808     2651
                 TOTAL      23.3      8.5     68.2    100.0



            COUNT  I
            COL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE     ROW
                    I-YR COLL 2-YR COL 4-YR COL UNIV     UNIV        TOTAL
                    I      1 I      2 I      3 I      4 I      5 I
VAR027      --------I--------I--------I--------I--------I--------I
                   1 I    117 I     17 I     49 I    161 I     78 I     422
  EXCELLNT          I   21.3 I   23.9 I   21.8 I   11.4 I   19.6 I    15.9
                   -I--------I--------I--------I--------I--------I
                   2 I    332 I     39 I    138 I    815 I    220 I    1544
  GOOD              I   60.4 I   57.1 I   61.3 I   57.8 I   55.3 I    58.2
                   -I--------I--------I--------I--------I--------I
                   3 I     88 I     12 I     32 I    353 I     85 I     571
  FAIR              I   16.0 I   18.0 I   14.3 I   25.0 I   21.4 I    21.5
                   -I--------I--------I--------I--------I--------I
                   4 I     13 I      1 I      6 I     82 I     14 I     115
  POOR              I    2.3 I    1.0 I    2.6 I    5.8 I    3.6 I     4.3
                   -I--------I--------I--------I--------I--------I
            COLUMN       549       69      225     1411      397      2652
             TOTAL      20.7      2.6      8.5     53.2     15.0     100.0
```

```
 * * * * * * * * * * * * * *
 RATE: CURRICULUM+COURSE OFFERING,  Q.158
 * * * * * * * * * * * * * * * * * * * * * * *


                COUNT   I
                COL PCT IALL 2-YR ALL 4-YR ALL UNI-    ROW
                        I COLLEGE  COLLEGE VERSITY    TOTAL
                        I     1  I     2  I     3  I
 VAR028         --------I--------I--------I--------I
                      1 I   119  I    33  I   318  I    470
    EXCELLNT            I  19.3  I  14.7  I  17.5  I   17.7
                       -I--------I--------I--------I
                      2 I   311  I   105  I   914  I   1330
    GOOD                I  50.5  I  46.3  I  50.2  I   49.9
                       -I--------I--------I--------I
                      3 I   156  I    76  I   482  I    714
    FAIR                I  25.3  I  33.5  I  26.5  I   26.8
                       -I--------I--------I--------I
                      4 I    30  I    13  I   106  I    149
    POOR                I   4.9  I   5.5  I   5.8  I    5.6
                       -I--------I--------I--------I
                COLUMN      617      227     1819      2663
                 TOTAL     23.2      8.5     68.3     100.0



            COUNT   I
            COL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE     ROW
                    I-YR COL  2-YR COL 4-YR COL UNIV     UNIV       TOTAL
                    I     1  I     2  I     3  I     4  I     5  I
 VAR028     --------I--------I--------I--------I--------I--------I
                  1 I   109  I    10  I    33  I   246  I    72  I    470
    EXCELLNT        I  19.9  I  14.4  I  14.7  I  17.3  I  18.0  I   17.7
                   -I--------I--------I--------I--------I--------I
                  2 I   283  I    28  I   105  I   721  I   193  I   1330
    GOOD            I  51.7  I  40.4  I  46.3  I  50.7  I  48.5  I   49.9
                   -I--------I--------I--------I--------I--------I
                  3 I   130  I    26  I    76  I   373  I   108  I    714
    FAIR            I  23.7  I  37.7  I  33.5  I  26.2  I  27.3  I   26.8
                   -I--------I--------I--------I--------I--------I
                  4 I    25  I     5  I    13  I    82  I    25  I    149
    POOR            I   4.6  I   7.5  I   5.5  I   5.8  I   6.2  I    5.6
                   -I--------I--------I--------I--------I--------I
            COLUMN      548       69      227     1422      397      2663
             TOTAL     20.6      2.6      8.5     53.4     14.9     100.0
```

```
* * * * * * * * * * * *
  RATE: PSNL CONTACT WITH FACULTY,    Q.15C
* * * * * * * * * * * * * * * * * * * * * * *


           COUNT   I
           COL PCT IALL 2-YR ALL 4-YR ALL UNI-    ROW
                   I COLLEGE  COLLEGE VERSITY    TOTAL
                   I     1   I     2   I     3   I
VAR029     --------I---------I---------I---------I
                 1 I   297   I   133   I   527   I   956
  EXCELLNT         I  48.5   I  58.3   I  29.2   I  36.1
                  -I---------I---------I---------I
                 2 I   212   I    65   I   620   I   897
  GOOD             I  34.6   I  28.8   I  34.3   I  33.9
                  -I---------I---------I---------I
                 3 I    86   I    21   I   442   I   549
  FAIR             I  14.1   I   9.0   I  24.5   I  20.7
                  -I---------I---------I---------I
                 4 I    17   I     9   I   218   I   244
  POOR             I   2.8   I   3.9   I  12.1   I   9.2
                  -I---------I---------I---------I
           COLUMN      613       227      1806      2646
            TOTAL     23.2       8.6      68.2     100.0


           COUNT   I
           COL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC    PRIVATE     ROW
                   I-YR COLL 2-YR COL 4-YR COL UNIV      UNIV        TOTAL
                   I     1   I     2   I     3   I     4   I     5   I
VAR029     --------I---------I---------I---------I---------I---------I
                 1 I   256   I    41   I   133   I   373   I   153   I   956
  EXCELLNT         I  47.2   I  58.7   I  58.3   I  26.5   I  38.9   I  36.1
                  -I---------I---------I---------I---------I---------I
                 2 I   191   I    21   I    65   I   504   I   116   I   897
  GOOD             I  35.2   I  29.8   I  28.8   I  35.7   I  29.4   I  33.9
                  -I---------I---------I---------I---------I---------I
                 3 I    79   I     7   I    21   I   357   I    84   I   549
  FAIR             I  14.6   I  10.4   I   9.0   I  25.3   I  21.4   I  20.7
                  -I---------I---------I---------I---------I---------I
                 4 I    17   I     1   I     9   I   177   I    41   I   244
  POOR             I   3.1   I   1.0   I   3.9   I  12.6   I  10.3   I   9.2
                  -I---------I---------I---------I---------I---------I
           COLUMN      544        69       227      1412       394      2646
            TOTAL     20.6       2.6       8.6      53.3      14.9     100.0
```

```
* * * * * * * * * * * * *
 RATE: RESEARCH FACILITIES+OPPRTNTY,Q.150
* * * * * * * * * * * * * * * * * * * * * *



                    COUNT  I
                  COL PCT  IALL 2-YR ALL 4-YR ALL UNI-   ROW
                           I COLLEGE  COLLEGE VERSITY    TOTAL
                           I     1  I     2  I     3  I
VAR030             --------I--------I--------I--------I
                         1 I    95  I    35  I   492  I    621
   EXCELLNT                I  15.6  I  15.3  I  27.5  I   23.7
                          -I--------I--------I--------I
                         2 I   224  I    90  I   686  I    999
   GOOD                    I  36.8  I  39.9  I  38.3  I   38.1
                          -I--------I--------I--------I
                         3 I   197  I    76  I   410  I    683
   FAIR                    I  32.4  I  33.7  I  22.9  I   26.0
                          -I--------I--------I--------I
                         4 I    92  I    25  I   204  I    321
   POOR                    I  15.2  I  11.1  I  11.4  I   12.2
                          -I--------I--------I--------I
                   COLUMN      608       226      1791     2624
                    TOTAL     23.2       8.6      68.2    100.0



                    COUNT  I
                  COL PCT  IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE     ROW
                           I-YR COLL 2-YR COL 4-YR COL UNIV     UNIV        TOTAL
                           I     1  I     2  I     3  I     4  I     5  I
VAR030             --------I--------I--------I--------I--------I--------I
                         1 I    89  I     6  I    35  I   381  I   111  I    621
   EXCELLNT                I  16.5  I   8.5  I  15.3  I  27.3  I  28.2  I   23.7
                          -I--------I--------I--------I--------I--------I
                         2 I   203  I    21  I    90  I   532  I   153  I   1000
   GOOD                    I  37.5  I  31.4  I  39.9  I  38.1  I  39.1  I   38.1
                          -I--------I--------I--------I--------I--------I
                         3 I   166  I    31  I    76  I   314  I    96  I    683
   FAIR                    I  30.8  I  44.9  I  33.7  I  22.4  I  24.5  I   26.0
                          -I--------I--------I--------I--------I--------I
                         4 I    82  I    10  I    25  I   171  I    32  I    321
   POOR                    I  15.2  I  15.2  I  11.1  I  12.3  I   8.2  I   12.2
                          -I--------I--------I--------I--------I--------I
                   COLUMN      540        68       226      1399       392     2625
                    TOTAL     20.6       2.6       8.6      53.3      14.9    100.0
```

```
* * * * * * * * * * * * * *
  RATE: STUDENT HOUSING,                Q.15E
* * * * * * * * * * * * * * * * * * * * * * * * * *



                 COUNT  I
                 COL PCT IALL 2-YR ALL 4-YR ALL UNI-   ROW
                        I COLLEGE  COLLEGE VERSITY   TOTAL
                        I    1  I    2  I    3  I
VAR031          --------I--------I--------I--------I
                      1 I     7  I    24  I   122  I    153
  EXCELLNT              I    8.2 I  12.4  I   9.7  I   10.0
                       -I--------I--------I--------I
                      2 I    27  I    87  I   399  I    513
  GOOD                  I  30.2  I  44.7  I  31.9  I   33.4
                       -I--------I--------I--------I
                      3 I    34  I    63  I   436  I    532
  FAIR                  I  37.5  I  32.2  I  34.8  I   34.7
                       -I--------I--------I--------I
                      4 I    22  I    21  I   295  I    337
  POOR                  I  24.1  I  10.6  I  23.6  I   22.0
                       -I--------I--------I--------I
                 COLUMN       90      195     1251     1536
                  TOTAL      5.8     12.7     81.5    100.0



          COUNT  I
          COL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC    PRIVATE      ROW
                 I-YR COLL 2-YR COL 4-YR COL UNIV       UNIV        TOTAL
                 I    1  I    2  I    3  I    4  I    5  I
VAR031   --------I--------I--------I--------I--------I--------I
               1 I     1  I     7  I    24  I   100  I    22  I    153
  EXCELLNT       I    1.8 I  11.1  I  12.4  I  10.3  I   7.8  I   10.0
                -I--------I--------I--------I--------I--------I
               2 I     5  I    22  I    87  I   306  I    92  I    513
  GOOD           I  17.0  I  36.1  I  44.7  I  31.6  I  32.8  I   33.4
                -I--------I--------I--------I-- -----I--------I
               3 I     9  I    25  I    63  I   326  I   110  I    532
  FAIR           I  32.1  I  40.0  I  32.2  I  33.6  I  39.2  I   34.7
                -I--------I--------I--------I--------I--------I
               4 I    14  I     8  I    21  I   238  I    56  I    337
  POOR           I  49.1  I  12.9  I  10.6  I  24.6  I  20.1  I   22.0
                -I--------I--------I--------I--------I--------I
          COLUMN      28       62      195      970      281       1536
           TOTAL     1.8      4.0     12.7     63.2     13.3      100.0
```

```
* * * * * * * * * * * * *
 RATE: CALIBER ØF STUDENTS,          Q,15F
* * * * * * * * * * * * * * * * * * * * * *


                COUNT   I
                CØL PCT IALL 2-YR ALL 4-YR ALL UNI-   RØW
                        I CØLLEGE  CØLLEGE VERSITY    TØTAL
                        I       1 I      2 I      3 I
VAR032          --------I---------I--------I--------I
                      1 I      29 I     28 I    184 I    241
  EXCELLNT              I     4,8 I   12,5 I   10,3 I    9,2
                       -I---------I--------I--------I
                      2 I     257 I    111 I    877 I   1245
  GØØD                  I    43,4 I   49,2 I   49,2 I   47,8
                       -I---------I--------I--------I
                      3 I     258 I     73 I    596 I    928
  FAIR                  I    43,6 I   32,5 I   33,4 I   35,7
                       -I---------I--------I--------I
                      4 I      48 I     13 I    128 I    189
  PØØR                  I     8,1 I    5,8 I    7,1 I    7,3
                       -I---------I--------I--------I
                 CØLUMN       592      225     1785     2602
                  TØTAL      22,8      8,6     68,6    100,0
```

```
         CØUNT   I
         CØL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC    PRIVATE    RØW
                 I-YR CØLL 2-YR CØL 4-YR CØL UNIV      UNIV       TØTAL
                 I       1 I      2 I      3 I       4 I       5 I
VAR032   --------I---------I--------I--------I---------I---------I
               1 I      25 I      4 I     28 I     116 I      68 I    241
  EXCELLNT       I     4,8 I    5,2 I   12,5 I     8,3 I    17,5 I    9,2
                -I---------I--------I--------I---------I---------I
               2 I     231 I     26 I    111 I     670 I     207 I   1245
  GØØD           I    44,1 I   38,3 I   49,2 I    48,1 I    53,0 I   47,8
                -I---------I--------I--------I---------I---------I
               3 I     229 I     29 I     73 I     500 I      96 I    928
  FAIR           I    43,8 I   42,6 I   32,5 I    35,9 I    24,5 I   35,7
                -I---------I--------I--------I---------I---------I
               4 I      39 I     10 I     13 I     108 I      20 I    189
  PØØR           I     7,4 I   14,0 I    5,8 I     7,7 I     5,1 I    7,3
                -I---------I--------I--------I---------I---------I
          CØLUMN       524       68      225      1394       390     2602
           TØTAL      20,2      2,6      8,6      53,6      15,0    100,0
```

```
 * * * * * * * * * * * * 
 RATE: KNWLDGE+PRFS,STNDNG ØF FCLTY,Q.15G
 * * * * * * * * * * * * * * * * * * * * * *

               CØUNT   I
               CØL PCT IALL 2-YR ALL 4-YR ALL UNI-   RØW
                       I CØLLEGE  CØLLEGE VERSITY   TØTAL
                       I      1 I      2 I      3 I
 VAR033        --------I--------I--------I--------I
                     1 I    176 I     93 I    527 I    796
   EXCELLNT            I   28.7 I   40.8 I   29.2 I   30.1
                      -I--------I--------I--------I
                     2 I    338 I    109 I    960 I   1407
   GØØD                I   55.0 I   48.0 I   53.1 I   53.1
                      -I--------I--------I--------I
                     3 I     93 I     24 I    279 I    396
   FAIR                I   15.2 I   10.5 I   15.4 I   15.0
                      -I--------I--------I--------I
                     4 I      6 I      2 I     41 I     49
   PØØR                I    1.0 I    0.7 I    2.3 I    1.8
                      -I--------I--------I--------I
                CØLUMN      613      227     1808     2648
                 TØTAL     23.2      8.6     68.3    100.0


               CØUNT   I
               CØL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    RØW
                       I-YR CØLL 2-YR CØL 4-YR CØL UNIV     UNIV      TØTAL
                       I      1 I      2 I      3 I      4 I      5 I
 VAR033        --------I--------I--------I--------I--------I--------I
                     1 I    153 I     24 I     93 I    366 I    161 I    796
   EXCELLNT            I   28.1 I   34.0 I   40.8 I   25.9 I   40.7 I   30.1
                      -I--------I--------I--------I--------I--------I
                     2 I    300 I     38 I    109 I    775 I    186 I   1407
   GØØD                I   55.1 I   54.6 I   48.0 I   54.9 I   46.9 I   53.1
                      -I--------I--------I--------I--------I--------I
                     3 I     86 I      7 I     24 I    238 I     41 I    396
   FAIR                I   15.8 I   10.4 I   10.5 I   16.9 I   10.4 I   15.0
                      -I--------I--------I--------I--------I--------I
                     4 I      6 I      1 I      2 I     33 I      8 I     49
   PØØR                I    1.0 I    1.0 I    0.7 I    2.3 I    2.0 I    1.8
                      -I--------I--------I--------I--------I--------I
                CØLUMN      544       69      227     1412      396     2648
                 TØTAL     20.5      2.6      8.6     53.3     14.9    100.0
```

```
       * * * * * * * * * * * *
        RATE: STDNT PRTCPTN IN POL,DECISN, Q,15H
       * * * * * * * * * * * * * * * * * * * * * *

               COUNT  I
               COL PCT IALL 2-YR ALL 4-YR ALL UNI-    ROW
                       I COLLEGE  COLLEGE VERSITY     TOTAL
                       I     1   I     2  I     3   I
  VAR034       --------I---------I--------I---------I
                     1 I    40   I     9  I    48   I    98
    EXCELLNT           I   7,0   I   4,3  I   2,8   I   3,9
                      -I---------I--------I---------I
                     2 I   147   I    52  I   392   I   591
    GOOD               I  25,5   I  23,7  I  22,8   I  23.5
                      -I---------I--------I---------I
                     3 I   203   I    95  I   648   I   946
    FAIR               I  35,2   I  43,2  I  37,6   I  37,6
                      -I---------I--------I---------I
                     4 I   187   I    64  I   633   I   884
    POOR               I  32,4   I  28,8  I  36,8   I  35,1
                      -I---------I--------I---------I
               COLUMN      578        220     1721       2520
                TOTAL     22,9        8,8     68,3      100,0
```

```
          COUNT  I
          COL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    ROW
                  I-YR COLL 2-YR COL 4-YR COL UNIV     UNIV       TOTAL
                  I     1  I     2  I     3  I     4  I     5  I
VAR034    --------I--------I--------I--------I--------I--------I
                1 I    35  I     6  I     9  I    45  I     4  I     98
  EXCELLNT        I   6,8  I   8,3  I   4,3  I   3,3  I   1.0  I    3.9
                 -I--------I--------I--------I--------I--------I
                2 I   125  I    23  I    52  I   313  I    79  I    591
  GOOD            I  24,4  I  33,4  I  23,7  I  23,3  I  20,9  I   23,5
                 -I--------I--------I--------I--------I--------I
                3 I   182  I    21  I    95  I   513  I   135  I    946
  FAIR            I  35,7  I  31,0  I  43,2  I  38,1  I  36,0  I   37,6
                 -I--------I--------I--------I--------I--------I
                4 I   169  I    18  I    64  I   475  I   158  I    884
  POOR            I  33,1  I  27,3  I  28,8  I  35,3  I  42,1  I   35,1
                 -I--------I--------I--------I--------I--------I
          COLUMN      510       67      220     1346      376       2520
           TOTAL     20,3      2,7      8,8     53,4     14,9      100,0
```

3

```
         * * * * * * * * * * * * *
          RATE: MEETNG DFFRNT KIND ØF PEØPLE,Q.151
         * * * * * * * * * * * * * * * * * * * * * * *


                 CØUNT   I
                 CØL PCT IALL 2-YR ALL 4-YR ALL UNI-   RØW
                         I CØLLEGE  CØLLEGE VERSITY    TØTAL
                         I       1 I       2 I       3 I
    VAR035      ---------I---------I---------I---------I
                       1 I   144   I    42   I   473   I   659
      EXCELLNT           I  24,2   I  18,8   I  26,6   I  25,4
                        -I---------I---------I---------I
                       2 I   209   I    75   I   652   I   936
      GØØD               I  35,0   I  33,7   I  36,7   I  36,1
                        -I---------I---------I---------I
                       3 I   177   I    68   I   473   I   718
      FAIR               I  29,7   I  30,6   I  26,6   I  27,7
                        -I---------I---------I---------I
                       4 I    66   I    38   I   178   I   282
      PØØR               I  11,1   I  16,9   I  10,0   I  10,9
                        -I---------I---------I---------I
                 CØLUMN      596       224      1775      2595
                 TØTAL      23,0       6,6      68,4     100,0



            CØUNT   I
            CØL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    RØW
                    I-YR CØLL 2-YR CØL 4-YR CØL UNIV     UNIV       TØTAL
                    I       1 I       2 I       3 I       4 I       5 I
    VAR035 ---------I---------I---------I---------I---------I---------I
                  1 I   127   I    18   I    42   I   397   I    76   I   659
     EXCELLNT       I  24,0   I  26,1   I  18,8   I  28,7   I  19,4   I  25,4
                   -I---------I---------I---------I---------I---------I
                  2 I   184   I    24   I    75   I   508   I   144   I   936
     GØØD           I  34,9   I  35,8   I  33,7   I  36,7   I  36,9   I  36,1
                   -I---------I---------I---------I---------I---------I
                  3 I   157   I    20   I    68   I   361   I   112   I   718
     FAIR           I  29,6   I  30,0   I  30,6   I  26,0   I  28,7   I  27,7
                   -I---------I---------I---------I-------- I- ------I
                  4 I    61   I     6   I    38   I   120   I    58   I   282
     PØØR           I  11,5   I   8,1   I  16,9   I   8,6   I  14,9   I  10,9
                   -I---------I---------I---------I---- ---I---------I
            CØLUMN      528        68       224      1386       389      2595
            TØTAL      20,4       2,6       8,6      53,4      15,0     100,0
```

```
* * * * * * * * * * * * * * *
  CØURSE: WØULD TAKE ANØTHER CØURSE, Q.16A
* * * * * * * * * * * * * * * * * * * * * * *

                   CØUNT   I
                   CØL PCT IALL 2-YR ALL 4-YR ALL UNI-    RØW
                           I CØLLEGE  CØLLEGE VERSITY    TØTAL
                           I     1  I     2  I     3  I
VAR036            ---------I--------I--------I--------I
                         1 I   270  I   113  I   895  I  1279
   STRØNGLY AGREE          I  44.2  I  50.6  I  50.1  I  48.8
                          -I--------I--------I--------I
                         2 I   263  I    87  I   673  I  1023
   AGREE    MØRTLY         I  43.0  I  38.8  I  37.7  I  39.0
                          -I--------I--------I--------I
                         3 I    56  I    13  I   134  I   203
   DISAGREE MØDRTLY        I   9.1  I   5.7  I   7.5  I   7.7
                          -I--------I--------I--------I
                         4 I    23  I    11  I    84  I   118
   STRØNGLY DSAGREE        I   3.7  I   4.7  I   4.7  I   4.5
                          -I--------I--------I--------I
                   CØLUMN      611      223     1787     2622
                    TØTAL     23.3      8.5     68.2    100.0
```

```
                 CØUNT   I
                 CØL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC    PRIVATE    RØW
                         I-YR CØLL 2-YR CØL 4-YR CØL UNIV      UNIV       TØTAL
                         I     1  I     2  I     3  I     4  I     5  I
VAR036          ---------I--------I--------I--------I--------I--------I
                       1 I   241  I    30  I   113  I   706  I   189  I   1279
  STRØNGLY AGREE         I  44.3  I  43.7  I  50.6  I  50.5  I  48.7  I   48.8
                        -I--------I--------I--------I--------I--------I
                       2 I   234  I    29  I    87  I   521  I   152  I   1023
  AGREE    MØRTLY        I  43.0  I  43.0  I  38.8  I  37.3  I  39.2  I   39.0
                        -I--------I--------I--------I--------I--------I
                       3 I    49  I     7  I    13  I   103  I    31  I    203
  DISAGREE MØDRTLY       I   9.0  I  10.2  I   5.7  I   7.4  I   8.0  I    7.7
                        -I--------I--------I--------I--------I--------I
                       4 I    21  I     2  I    11  I    68  I    16  I    118
  STRØNGLY DSAGREE       I   3.8  I   3.1  I   4.7  I   4.9  I   4.1  I    4.5
                        -I--------I--------I--------I--------I--------I
                 CØLUMN      544       68      223     1399      388       2622
                  TØTAL     20.7      2.6      8.5     53.4     14.8      100.0
```

```
 * * * * * * * * * * * * * * * * * * * * * *
 COURSE: INSTRCTR INTRSTD IN PRSN., Q.168
 * * * * * * * * * * * * * * * * * * * * * *


                COUNT    I
                COL PCT  IALL 2-YR ALL 4-YR ALL UNI-    ROW
                         I COLLEGE  COLLEGE VERSITY    TOTAL
                         I     1  I     2  I     3  I
 VAR037         ---------I--------I--------I--------I
                      1  I   324  I   130  I   842  I   1295
    STRONGLY AGREE       I  52.9  I  58.0  I  47.1  I   49.4
                        -I--------I--------I--------I
                      2  I   230  I    74  I   723  I   1026
    AGREE    MORTLY      I  37.5  I  32.8  I  40.5  I   39.1
                        -I--------I--------I--------I
                      3  I    39  I    16  I   162  I    217
    DISAGREE MODRTLY     I   6.3  I   7.3  I   9.1  I    8.3
                        -I--------I--------I--------I
                      4  I    20  I     4  I    60  I     84
    STRONGLY DSAGREE     I   3.2  I   1.9  I   3.4  I    3.2
                        -I--------I--------I--------I
                 COLUMN     612      225      1786      2623
                  TOTAL     23.3     8.6      68.1     100.0


                COUNT    I
                COL PCT  IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    ROW
                         I-YR COLL 2-YR COL 4-YR COL UNIV     UNIV       TOTAL
                         I     1  I     2  I     3  I     4  I     5  I
 VAR037         ---------I--------I--------I--------I--------I--------I
                      1  I   285  I    38  I   130  I   663  I   178  I   1296
    STRONGLY AGREE       I  52.5  I  56.5  I  58.0  I  47.4  I  46.1  I   49.4
                        -I--------I--------I--------I--------I--------I
                      2  I   208  I    21  I    74  I   569  I   154  I   1026
    AGREE    MORTLY      I  38.3  I  31.4  I  32.8  I  40.6  I  39.8  I   39.1
                        -I--------I--------I--------I--------I--------I
                      3  I    34  I     5  I    16  I   123  I    39  I    217
    DISAGREE MODRTLY     I   6.2  I   7.6  I   7.3  I   8.8  I  10.1  I    8.3
                        -I--------I--------I--------I--------I--------I
                      4  I    17  I     3  I     4  I    44  I    16  I     84
    STRONGLY DSAGREE     I   3.1  I   4.5  I   1.9  I   3.2  I   4.0  I    3.2
                        -I--------I--------I--------I--------I--------I
                 COLUMN      544       68      225     1399      387      2623
                  TOTAL     20.7      2.6      8.6     53.3     14.8     100.0
```

```
         * * * * * * * * * * * *
           COURSE: EASY TO REMAIN ATTENTIVE,  Q.16C
         * * * * * * * * * * * * * * * * * * * * * * *


                  COUNT  I
                  COL PCT IALL 2-YR ALL 4-YR ALL UNI-    ROW
                          I COLLEGE  COLLEGE VERSITY    TOTAL
                          I     1  I     2  I     3  I
      VAR038      --------I--------I--------I--------I
                       1  I   209  I    84  I   670  I   963
        STRONGLY AGREE    I  34.1  I  37.5  I  37.5  I  36.7
                         -I--------I--------I--------I
                       2  I   290  I   103  I   786  I  1181
        AGREE    MORTLY   I  47.4  I  45.8  I  44.1  I  45.0
                         -I--------I--------I--------I
                       3  I    86  I    28  I   253  I   367
        DISAGREE MODRTLY  I  14.1  I  12.5  I  14.2  I  14.0
                         -I--------I--------I--------I
                       4  I    27  I     9  I    75  I   112
        STRONGLY DSAGREE  I   4.4  I   4.2  I   4.2  I   4.3
                         -I--------I--------I--------I
                  COLUMN      612       225     1786     2623
                   TOTAL     23.3       8.6     68.1    100.0



                COUNT  I
                COL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    ROW
                        I-YR COLL 2-YR COL 4-YR COL UNIV     UNIV       TOTAL
                        I     1  I     2  I     3  I     4  I     5  I
VAR038          --------I--------I--------I--------I--------I--------I
                     1  I   190  I    19  I    84  I   539  I   131  I   963
  STRONGLY AGREE        I  34.8  I  28.3  I  37.5  I  38.5  I  33.9  I  36.7
                       -I--------I--------I--------I--------I--------I
                     2  I   257  I    33  I   103  I   603  I   185  I  1181
  AGREE    MORTLY       I  47.2  I  48.9  I  45.8  I  43.1  I  48.0  I  45.0
                       -I--------I--------I--------I--------I--------I
                     3  I    75  I    11  I    28  I   196  I    57  I   367
  DISAGREE MODRTLY      I  13.8  I  16.2  I  12.5  I  14.0  I  14.8  I  14.0
                       -I--------I--------I--------I--------I--------I
                     4  I    23  I     5  I     9  I    62  I    13  I   112
  STRONGLY DSAGREE      I   4.1  I   6.6  I   4.2  I   4.4  I   3.4  I   4.3
                       -I--------I--------I--------I--------I--------I
                COLUMN      544       68       225     1399      387     2623
                 TOTAL     20.6      2.6       8.6     53.3     14.7    100.0
```

```
 * * * * * * * * * * * * *
   CØURSE: NØT MUCH WAS GAINED,        Q,160
 * * * * * * * * * * * * * * * * * * * * * *


                   CØUNT   I
                   CØL PCT IALL 2-YR ALL 4-YR ALL UNI-    RØW
                           I CØLLEGE  CØLLEGE VERSITY    TØTAL
                           I       1 I       2 I       3 I
VAR039             --------I---------I---------I---------I
                         1 I      16 I       8 I      67 I      92
  STRØNGLY AGREE           I     2,7 I     3,8 I     3,7 I     3,5
                          -I---------I---------I---------I
                         2 I      62 I      16 I     150 I     229
  AGREE     MØRTLY         I    10,2 I     7,3 I     8,4 I     8,7
                          -I---------I---------I---------I
                         3 I     170 I      67 I     587 I     824
  DISAGREE MØDRTLY         I    27,8 I    30,0 I    32,8 I    31,4
                          -I---------I---------I---------I
                         4 I     363 I     133 I     985 I    1481
  STRØNGLY DSAGREE         I    59,4 I    59,0 I    55,1 I    56,4
                          -I---------I---------I---------I
                   CØLUMN        611       225      1789      2625
                    TØTAL       23,3       8,6      68,2     100,0



               CØUNT   I
               CØL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    RØW
                       I-YR CØLL 2-YR CØL 4-YR CØL UNIV     UNIV       TØTAL
                       I       1 I       2 I       3 I       4 I       5 I
. VAR039       --------I---------I---------I---------I---------I---------I
                     1 I      14 I       3 I       8 I      56 I      11 I      92
  STRØNGLY AGREE       I     2,5 I     4.1 I     3,6 I     4.0 I     2,9 I     3,5
                      -I---------I---------I---------I---------I---------I
                     2 I      56 I       6 I      16 I     120 I      31 I     229
  AGREE    MØRTLY      I    10.3 I     9.2 I     7.5 I     8.5 I     7.9 I     8.7
                      -I---------I---------I---------I---------I---------I
                     3 I     151 I      19 I      67 I     458 I     128 I     824
  DISAGREE MØDRTLY     I    27.8 I    27.9 I    30.0 I    32.7 I    33.2 I    31.4
                      -I---------I---------I---------I---------I---------I
                     4 I     323 I      40 I     133 I     768 I     217 I    1481
  STRØNGLY DSAGREE     I    59.4 I    58.8 I    59.0 I    54.8 I    56.0 I    56.4
                      -I---------I---------I---------I---------I---------I
               CØLUMN        544        67       225      1402       387      2625
                TØTAL       20.7       2.6       8.6      53.4      14.8     100.0
 * * * * * * * * * * * * * * *
   COURSE: LEARN MORE IF OTHER METHOD,Q,16E
 * * * * * * * * * * * * * * * * * * * * * * *


                     COUNT  I
                     COL PCT IALL 2-YR ALL 4-YR ALL UNI-    ROW
                            I COLLEGE  COLLEGE VERSITY    TOTAL
                            I     1  I     2  I     3  I
 VARD40             --------I--------I--------I--------I
                         1  I    67  I    21  I   185  I    273
   STRONGLY AGREE           I  11.0  I   9.5  I  10.4  I   10.5
                           -I--------I--------I--------I
                         2  I   131  I    45  I   401  I    576
   AGREE    MORTLY          I  21.3  I  20.1  I  22.5  I   22.0
                           -I--------I--------I--------I
                         3  I   277  I   118  I   818  I   1213
   DISAGREE MOORTLY         I  45.3  I  52.8  I  46.0  I   46.4
                           -I--------I--------I--------I
                         4  I   137  I    39  I   376  I    552
   STRONGLY DSAGREE         I  22.4  I  17.6  I  21.1  I   21.1
                           -I--------I--------I--------I
                     COLUMN     611      223     1779      2614
                      TOTAL    23.4      8.5     68.1     100.0


                     COUNT  I
                     COL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    ROW
                            I-YR COLL 2-YR COL 4-YR COL UNIV      UNIV      TOTAL
                            I     1  I     2  I     3  I     4  I     5  I
 VARD40             --------I--------I--------I--------I--------I--------I
                         1  I    60  I     7  I    21  I   151  I    34  I    273
   STRONGLY AGREE           I  11.0  I  10.6  I   9.5  I  10.9  I   8.8  I   10.5
                           -I--------I--------I--------I--------I--------I
                         2  I   114  I    16  I    45  I   324  I    77  I    576
   AGREE    MORTLY          I  21.0  I  24.1  I  20.1  I  23.2  I  19.9  I   22.0
                           -I--------I--------I--------I--------I--------I
                         3  I   244  I    53  I   118  I   623  I   195  I   1213
   DISAGREE MOORTLY         I  44.9  I  48.5  I  52.8  I  44.7  I  50.6  I   46.4
                           -I--------I--------I--------I--------I--------I
                         4  I   125  I    11  I    39  I   296  I    80  I    552
   STRONGLY DSAGREE         I  23.1  I  16.8  I  17.6  I  21.2  I  20.8  I   21.1
                           -I--------I--------I--------I--------I--------I
                     COLUMN     543       68      223     1393      386      2614.
                      TOTAL    20.8      2.6      8.5     53.3     14.8     100.0
```

```
* * * * * * * * * * * *
COURSE: MATERIAL SEEMED WORTHWHILE,Q.16F
* * * * * * * * * * * * * * * * * * * * *


            COUNT   I
            COL PCT IALL 2-YR ALL 4-YR ALL UNI-    ROW
                    I COLLEGE  COLLEGE VERSITY    TOTAL
                    I      1 I      2 I      3 I
VAR041      --------I--------I--------I--------I
                  1 I    281 I    113 I    842 I   1236
  STRONGLY AGREE    I   45.9 I   50.5 I   47.1 I   47.1
                   -I--------I--------I--------I
                  2 I    294 I     96 I    818 I   1208
  AGRE     MORTLY   I   48.0 I   42.8 I   45.8 I   46.0
                   -I--------I--------I--------I
                  3 I     30 I     11 I     97 I    139
  DISAGREE MODRTLY  I    5.0 I    4.7 I    5.5 I    5.3
                   -I--------I--------I--------I
                  4 I      7 I      5 I     29 I     41
  STRONGLY DSAGREE  I    1.1 I    2.1 I    1.6 I    1.5
                   -I--------I--------I--------I
             COLUMN      612      225     1786     2624
              TOTAL     23.3      8.6     68.1    100.0


            COUNT   I
            COL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC    PRIVATE     ROW
                    I-YR COLL 2-YR COL 4-YR COL UNIV      UNIV        TOTAL
                    I      1 I      2 I      3 I      4 I      5 I
VAR041      --------I--------I--------I--------I--------I--------I
                  1 I    253 I     28 I    115 I    664 I    179 I   1236
  STRONGLY AGREE    I   46.4 I   41.3 I   50.5 I   47.4 I   46.1 I   47.1
                   -I--------I--------I--------I--------I--------I
                  2 I    264 I     30 I     96 I    634 I    184 I   1208
  AGREE    MORTLY   I   48.5 I   44.6 I   42.8 I   45.3 I   47.6 I   46.0
                   -I--------I--------I--------I--------I--------I
                  3 I     23 I      8 I     11 I     76 I     21 I    139
  DISAGREE MODRTLY  I    4.2 I   11.6 I    4.7 I    5.4 I    5.5 I    5.3
                   -I--------I--------I--------I--------I--------I
                  4 I      5 I      2 I      5 I     26 I      3 I     41
  STRONGLY DSAGREE  I    1.0 I    2.5 I    2.1 I    1.8 I    0.8 I    1.5
                   -I--------I--------I--------I--------I--------I
             COLUMN      545       68      225     1399      587     2624
              TOTAL     20.8      2.6      8.6     53.3     14.8    100.0
```

```
* * * * * * * * * * * * * *
CØURSE: INSTRCTR, THRØUGH KNWLDGE, Q.16G
* * * * * * * * * * * * * * * * * * * * * *


              CØUNT   I
              CØL PCT IALL 2-YR ALL 4-YR ALL UNI-   RØW
                      I CØLLEGE  CØLLEGE VERSITY   TØTAL
                      I     1  I     2  I     3  I
VAR042        --------I--------I--------I----- --I
                    1 I   345  I   138  I  1002  I  1484
    STRØNGLY AGREE    I  56.5  I  61.4  I  56.1  I  56.6
                     -I--------I--------I--------I
                    2 I   219  I    69  I   625  I   913
    AGREE    MDRTLY   I  35.9  I  30.7  I  35.0  I  34.8
                     -I--------I--------I--------I
                    3 I    33  I    13  I   123  I   169
    DISAGREE MØDRTLY  I   5.4  I   5.7  I   6.9  I   6.4
                     -I--------I--------I--------I
                    4 I    14  I     5  I    37  I    55
    STRØNGLY DSAGREE  I   2.2  I   2.2  I   2.1  I   2.1
                     -I--------I--------I--------I
              CØLUMN      611      225     1786     2621
               TØTAL     23.3      8.6     68.1    100.0



              CØUNT   I
              CØL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE   RØW
                      I-YR CØLL 2-YR CØL 4-YR CØL UNIV     UNIV      TØTAL
                      I     1  I     2  I     3  I     4  I     5  I
VAR042        --------I--------I--------I- ------I--- ----I--------I
                    1 I   303  I    42  I   138  I   770  I   231  I  1485
    STRØNGLY AGREE    I  55.8  I  61.9  I  61.4  I  55.0  I  59.9  I  56.6
                     -I--------I--------I--------I--------I--------I
                    2 I   198  I    22  I    69  I   503  I   122  I   913
    AGREE    MDRTLY   I  36.4  I  32.0  I  30.7  I  36.0  I  31.5  I  34.8
                     -I--------I--------I--------I--------I--------I
                    3 I    31  I     2  I    13  I    95  I    27  I   169
    DISAGREE MØDRTLY  I   5.0  I   2.0  I   5.7  I   6.8  I   7.1  I   6.4
                     -I--------I--------I--------I--------I--------I
                    4 I    11  I     2  I     5  I    31  I     6  I    55
    STRØNGLY DSAGREE  I   2.0  I   3.5  I   2.2  I   2.2  I   1.6  I   2.1
                     -I--------I--------I--------I--------I--------I
              CØLUMN      544       67      225     1399      357     2621
               TØTAL     20.7      2.6      8.6     53.4     14.7    100.0
```

```
 * * * * * * * * * * * * *
  COURSE: QUITE INTERESTING,         Q,16H
 * * * * * * * * * * * * * * * * * * * * * *


              COUNT   I
              COL PCT IALL 2-YR ALL 4-YR ALL UNI-    ROW
                      I COLLEGE  COLLEGE VERSITY    TOTAL
                      I      1 I      2 I      3 I
VAR043        --------I--------I--------I--------I
                    1 I    272 I    107 I    791 I   1170
   STRONGLY AGREE     I   44,4 I   47,6 I   44,3 I   44,6
                     -I--------I--------I--------I
                    2 I    274 I     95 I    781 I   1150
   AGREE    MORTLY    I   44,7 I   42,3 I   43,7 I   43,8
                     -I--------I--------I--------I
                    3 I     50 I     19 I    164 I    233
   DISAGREE MOORTLY   I    8,2 I    8,4 I    9,2 I    8,9
                     -I--------I--------I--------I
                    4 I     16 I      4 I     50 I     70
   STRONGLY DSAGREE   I    2,7 I    1,8 I    2,8 I    2,7
                     -I--------I--------I--------I
               COLUMN      612      225     1786     2623
                TOTAL     23,3      8,6     68,1    100,0




          COUNT   I
          COL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    ROW
                  I-YR COLL 2-YR COL 4-YR COL UNIV     UNIV      TOTAL
                  I      1 I      2 I      3 I      4 I      5 I
VAR043    --------I--------I--------I--------I--------I--------I
                1 I    243 I     29 I    107 I    630 I    162 I   1170
 STRONGLY AGREE   I   44,6 I   42,4 I   47,6 I   45,0 I   41,7 I   44,6
                 -I--------I--------I--------I--------I--------I
                2 I    241 I     32 I     95 I    599 I    182 I   1150
 AGREE    MORTLY  I   44,4 I   47,4 I   42,3 I   42,8 I   47,1 I   43,8
                 -I--------I--------I--------I--------I--------I
                3 I     45 I      5 I     19 I    127 I     37 I    233
 DISAGREE MOORTLY I    8,3 I    7,7 I    8,4 I    9,0 I    9,6 I    8,9
                 -I--------I--------I--------I--------I--------I
                4 I     15 I      2 I      4 I     44 I      6 I     70
 STRONGLY DSAGREE I    2,7 I    2,6 I    1,8 I    3,1 I    1,6 I    2,7
                 -I--------I--------I--------I--------I--------I
           COLUMN      544       68      225     1399      387     2623
            TOTAL     20,7      2,6      8,6     53,3     14,8    100,0
```

```
* * * * * * * * * * * * * *
  CØURSE: EXCELLENT CØURSE CØNTENT,  Q.161
* * * * * * * * * * * * * * * * * * * * * * * * * * *


                    CØUNT  I
                  CØL PCT  IALL 2-YR ALL 4-YR ALL UNI-    RØW
                           I CØLLEGE  CØLLEGE VERSITY    TØTAL
                           I     1  I     2  I     3  I
VAR044            ---------I--------I--------I--------I
                         1 I    209 I     94 I    663 I    965
  STRØNGLY AGREE           I   34.1 I   41.6 I   37.1 I   36.8
                          -I--------I--------I--------I
                         2 I    327 I    100 I    855 I   1282
  AGREE   MØRTLY           I   53.4 I   44.3 I   47.9 I   48.9
                          -I--------I--------I--------I
                         3 I     64 I     25 I    224 I    313
  DISAGREE MØDRTLY         I   10.4 I   11.2 I   12.5 I   11.9
                          -I--------I--------I--------I
                         4 I     12 I      6 I     45 I     64
  STRØNGLY DSAGREE         I    2.0 I    2.9 I    2.5 I    2.4
                          -I--------I--------I--------I
                    CØLUMN      612      225     1786     2623
                     TØTAL     23.3      8.6     68.1    100.0
```

```
                    CØUNT  I
                  CØL PCT  IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    RØW
                           I-YR CØLL 2-YR CØL 4-YR CØL UNIV     UNIV       TØTAL
                           I     1  I     2  I     3  I     4  I     5  I
VAR044            ---------I--------I--------I--------I--------I--------I
                         1 I    186 I     22 I     94 I    522 I    140 I    965
  STRØNGLY AGREE           I   34.3 I   32.9 I   41.6 I   37.3 I   36.2 I   36.8
                          -I--------I--------I--------I--------I--------I
                         2 I    288 I     39 I    100 I    666 I    189 I   1282
  AGREE   MØRTLY           I   52.9 I   57.4 I   44.3 I   47.6 I   48.9 I   48.9
                          -I--------I--------I--------I--------I--------I
                         3 I     59 I      5 I     25 I    171 I     52 I    313
  DISAGREE MØDRTLY         I   10.8 I    7.6 I   11.2 I   12.2 I   13.5 I   11.9
                          -I--------I--------I--------I--------I--------I
                         4 I     11 I      1 I      6 I     40 I      5 I     64
  STRØNGLY DSAGREE         I    2.0 I    2.1 I    2.9 I    2.8 I    1.4 I    2.4
                          -I--------I--------I--------I--------I--------I
                    CØLUMN      544       68      225     1399      387     2623
                     TØTAL     20.7      2.6      8.6     53.3     14.8    100.0
```

```
    * * * * * * * * * * * * *
    CØURSE: ØVERALL CØURSE WAS GØØD,    Q.16J
    * * * * * * * * * * * * * * * * * * * * * *


                  CØUNT   I
                  CØL PCT IALL 2-YR ALL 4-YR ALL UNI-   RØW
                          I CØLLEGE  CØLLEGE VERSITY   TØTAL
                          I      1  I      2  I      3  I
   VAR045         --------I--------I--------I--------I
                        1  I    290  I    112  I    812  I   1214
     STRØNGLY AGREE        I   47.5  I   50.1  I   45.5  I   46.3
                          -I--------I--------I--------I
                        2  I    273  I     93  I    816  I   1182
     AGREE    MØRTLY       I   44.7  I   41.6  I   45.7  I   45.1
                          -I--------I--------I--------I
                        3  I     35  I     14  I    110  I    158
     DISAGREE MØØRTLY      I    5.7  I    6.2  I    6.2  I    6.0
                          -I--------I--------I--------I
                        4  I     13  I      5  I     49  I     67
     STRØNGLY DSAGREE      I    2.2  I    2.1  I    2.7  I    2.5
                          -I--------I--------I--------I
                  CØLUMN        610       224      1786      2621
                   TØTAL       23.3       8.6      68.2     100.0


                  CØUNT   I
                  CØL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    RØW
                          I-YR CØLL 2-YR CØL 4-YR CØL UNIV      UNIV      TØTAL
                          I      1  I      2  I      3  I      4  I      5  I
   VAR045         --------I--------I--------I--------I--------I--------I
                        1  I    254  I     35  I    112  I    645  I    167  I   1214
     STRØNGLY AGREE        I   46.9  I   51.6  I   50.1  I   46.1  I   43.1  I   46.3
                          -I--------I--------I--------I--------I--------I
                        2  I    246  I     27  I     93  I    625  I    190  I   1182
     AGREE    MØRTLY       I   45.3  I   39.7  I   41.5  I   44.7  I   49.1  I   45.1
                          -I--------I--------I--------I--------I--------I
                        3  I     30  I      4  I     14  I     86  I     24  I    158
     DISAGREE MØØRTLY      I    5.6  I    6.0  I    6.2  I    6.1  I    6.2  I    6.0
                          -I--------I--------I--------I--------I--------I
                        4  I     12  I      2  I      5  I     43  I      6  I     67
     STRØNGLY DSAGREE      I    2.1  I    2.6  I    2.1  I    3.0  I    1.6  I    2.5
                          -I--------I--------I--------I--------I--------I
                  CØLUMN        542        68       224      1399       387      2621
                   TØTAL       20.7       2.6       8.6      53.4      14.8     100.0
```

```
 * * * * * * * * * * *
 CAREER: MAKING A LOT OF MONEY,      Q.17A
 * * * * * * * * * * * * * * * * * * * * * *


              COUNT  I
            COL PCT IALL 2-YR ALL 4-YR ALL UNI-    ROW
                    I COLLEGE  COLLEGE VERSITY   TOTAL
                    I     1  I     2  I     3  I
VAR046      --------I--------I--------I--------I
                  1 I   155  I    27  I   257  I   440
   GREAT IMPORTANCE I  25.2  I  11.9  I  14.2  I  16.5
                    -I--------I--------I--------I
                  2 I   382  I   131  I  1156  I  1669
   SOME  IMPORTANCE I  61.9  I  57.7  I  63.6  I  62.7
                    -I--------I--------I--------I
                  3 I    67  I    60  I   317  I   443
   LITTLE  IMPRTNCE I  10.8  I  26.2  I  17.5  I  16.7
                    -I--------I--------I--------I
                  4 I    13  I    10  I    87  I   110
   NO   IMPORTANCE  I   2.1  I   4.2  I   4.8  I   4.1
                    -I--------I--------I--------I
             COLUMN     618      228     1817      2663
              TOTAL    23.2      8.5     68.5     100.0



           COUNT  I
         COL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC    PRIVATE     ROW
                 I-YR COLL 2-YR COL 4-YR COL UNIV      UNIV       TOTAL
                 I     1  I     2  I     3  I     4  I     5  I
VAR046   --------I--------I--------I--------I--------I--------I
               1 I   137  I    16  I    27  I   198  I    59  I   440
GREAT IMPORTANCE I  25.0  I  26.1  I  11.9  I  14.0  I  14.8  I  16.5
                 -I--------I--------I--------I--------I--------I
               2 I   338  I    38  I   131  I   906  I   249  I  1669
SOME  IMPORTANCE I [illegible] I [illegible] I  57.7  I  63.9  I [illegible] I  62.7
                 -I--------I--------I--------I--------I--------I
               3 I    58  I     9  I    60  I   251  I    66  I   443
LITTLE  IMPRTNCE I  10.9  I  12.9  I  26.2  I  17.7  I  16.6  I  16.7
                 -I--------I--------I--------I--------I--------I
               4 I    10  I     3  I    10  I    63  I    24  I   110
NO   IMPORTANCE  I   1.8  I   4.6  I   4.2  I   4.5  I   5.9  I   4.1
                 -I--------I--------I--------I--------I--------I
          COLUMN     534       69      228     1419      398      2663
           TOTAL    20.5      2.6      8.5     53.3     15.0     100.0
```

```
* * * * * * * * * * * * 
  CAREER: OPPRTNITY TO BE CREATIVE,  Q.176
* * * * * * * * * * * * * * * * * * * * * * *


               COUNT   I
              COL PCT  IALL 2-YR ALL 4-YR ALL UNI-   ROW
                       I COLLEGE  COLLEGE VERSITY    TOTAL
                       I     1  I     2  I     3  I
VARD47          --------I--------I--------I--------I
                    1  I   344  I   145  I  1101  I  1590
  GREAT IMPORTANCE I  55.5  I  63.7  I  60.6  I  59.7
                      -I--------I--------I--------I
                    2  I   216  I    75  I   631  I   923
  SOME  IMPORTANCE I  35.2  I  32.9  I  34.7  I  34.7
                      -I--------I--------I--------I
                    3  I    47  I     7  I    76  I   129
  LITTLE  IMPRTNCE I   7.5  I   2.9  I   4.2  I   4.5
                      -I--------I--------I--------I
                    4  I    11  I     1  I     9  I    21
  NO   IMPORTANCE  I   1.8  I   0.5  I   0.5  I   0.8
                      -I--------I--------I--------I
              COLUMN      619      228     1817     2664
               TOTAL      23.2      8.5     66.2    100.0


               COUNT   I
              COL PCT  IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    ROW
                       I-YR COLL 2-YR COL 4-YR COL UNIV     UNIV       TOTAL
                       I     1  I     2  I     3  I     4  I     5  I
VARD47          --------I--------I--------I--------I--------I--------I
                    1  I   309  I    34  I   145  I   853  I   248  I  1590
  GREAT IMPORTANCE I  56.3  I  49.3  I  63.7  I  60.1  I  62.3  I  59.7
                      -I------ -I--------I--------I--------I--------I
                    2  I   186  I    30  I    75  I   496  I   134  I   923
  SOME  IMPORTANCE I  34.2  I  43.2  I  32.9  I  35.0  I  33.7  I  34.7
                      -I--------I--------I--------I--------I--------I
                    3  I    42  I     4  I     7  I    62  I    14  I   129
  LITTLE  IMPRTNCE I   7.7  I   6.5  I   2.9  I   4.4  I   3.5  I   4.8
                      -I--------I--------I--------I--------I--------I
                    4  I    11  I     0  I     1  I     7  I     2  I    21
  NO   IMPORTANCE  I   1.9  I   0.5  I   0.5  I   0.5  I   0.5  I   0.8
                      -I------ -I--------I--------I--------I--------I
              COLUMN      549       69      228     1419      398     2668
               TOTAL      20.6      2.6      8.5     53.3     15.0    100.0
```

```
 * * * * * * * * * * * *
   CAREER: SPØUSE+1, MEANINGFUL WØRK, Q.17C
 * * * * * * * * * * * * * * * * * * * * * *


                   CØUNT  I
                   CØL PCT IALL 2-YR ALL 4-YR ALL UNI-   RØW
                           I CØLLEGE  CØLLEGE VERSITY   TØTAL
                           I     1  I     2  I     3  I
VAR046             --------I--------I--------I--------I
                         1 I   369  I   141  I  1059  I   1570
   GREAT IMPØRTANCE I  60.1  I  62.3  I  58.4  I   59.1
                          -I--------I--------I--------I
                         2 I   162  I    51  I   492  I    705
   SØME  IMPØRTANCE I  26.4  I  22.4  I  27.1  I   26.6
                          -I--------I--------I--------I
                         3 I    40  I    13  I   128  I    181
   LITTLE  IMPRTNCE I   6.5  I   5.8  I   7.1  I    6.8
                          -I--------I--------I--------I
                         4 I    43  I    21  I   134  I    199
   NØ   IMPØRTANCE  I   7.0  I   9.4  I   7.4  I    7.5
                          -I--------I--------I--------I
                    CØLUMN     615      227     1813     2654
                     TØTAL    23.2      8.6     68.3    100.0



            CØUNT  I
            CØL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    RØW
                    I-YR CØLL 2-YR CØL 4-YR CØL UNIV     UNIV       TØTAL
                    I     1  I     2  I     3  I     4  I     5  I
VAR048      --------I--------I--------I--------I--------I--------I
                  1 I   329  I    40  I   141  I   845  I   213  I   1570
  GREAT IMPØRTANCE I  60.3  I  58.0  I  62.3  I  59.6  I  54.0  I   59.1
                   -I--------I--------I--------I--------I--------I
                  2 I   143  I    20  I    51  I   367  I   125  I    705
  SØME  IMPØRTANCE I  26.1  I  28.6  I  22.4  I  25.9  I  31.7  I   26.6
                   -I--------I--------I--------I--------I--------I
                  3 I    35  I     4  I    13  I   100  I    28  I    181
  LITTLE  IMPRTNCE I   6.5  I   6.5  I   5.8  I   7.0  I   7.1  I    6.8
                   -I--------I--------I--------I--------I--------I
                  4 I    39  I     4  I    21  I   106  I    28  I    199
  NØ   IMPØRTANCE  I   7.1  I   6.5  I   9.4  I   7.5  I   7.2  I    7.5
                   -I--------I--------I--------I--------I--------I
             CØLUMN     546       69      227     1417      395      2654
              TØTAL    20.6      2.6      8.6     53.4     14.9     100.0
```

```
* * * * * * * * * * * *
CAREER: HELPFUL+USEFUL TO SOCIETY, Q.17C
* * * * * * * * * * * * * * * * * * * * * *


                      SCHOOLS
              COUNT  I
             COL PCT IALL 2-YR ALL 4-YR ALL UNI-    ROW
                     I COLLEGE  COLLEGE VERSITY    TOTAL
                     I     1  I     2  I     3  I
VAR049       --------I--------I--------I--------I
                   1 I   382  I   140  I  1077  I  1599
  GREAT IMPORTANCE   I  61.7  I  61.4  I  59.2  I  60.0
                    -I--------I----  --I--------I
                   2 I   195  I    75  I   607  I   878
  SOME  IMPORTANCE   I  31.4  I  33.1  I  33.4  I  32.9
                    -I--------I--------I--------I
                   3 I    34  I    10  I   105  I   148
  LITTLE  IMPRTNCE   I   5.5  I   4.5  I   5.7  I   5.5
                    -I--------I--------I--------I
                   4 I     8  I     2  I    30  I    41
  NO    IMPORTANCE   I   1.3  I   1.0  I   1.7  I   1.5
                    -I--------I--------I--------I
              COLUMN     619      228     1817     2664
               TOTAL    23.2      8.5     68.2    100.0


              COUNT  I
             COL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    ROW
                     I-YR COLL 2-YR COL 4-YR COL UNIV     UNIV      TOTAL
                     I     1  I     2  I     3  I     4  I     5  I
VAR049       --------I--------I--------I--------I-------  I--------I
                   1 I   342  I    40  I   140  I   871  I   205  I  1599
  GREAT IMPORTANCE   I  62.3  I  57.4  I  61.4  I  61.4  I  51.6  I  60.0
                    -I--------I--------I--------I--------I--------I
                   2 I   168  I    26  I    75  I   466  I   141  I   878
  SOME  IMPORTANCE   I  30.6  I  38.1  I  33.1  I  32.8  I  35.5  I  32.9
                    -I--------I--------I--------I--------I--------I
                   3 I    31  I     3  I    10  I    59  I    44  I   148
  LITTLE  IMPRTNCE   I   5.6  I   4.5  I   4.5  I   4.1  I  11.2  I   5.5
                    -I--------I--------I--------I--------I--------I
                   4 I     8  I     0  I     2  I    23  I     7  I    41
  NO    IMPORTANCE   I   1.5  I   0.0  I   1.0  I   1.6  I   1.8  I   1.5
                    -I--------I--------I--------I--------I--------I
              COLUMN     550       69      228     1419      398     2668
               TOTAL    20.6      2.6      8.5     53.3     14.9    100.0
```

```
* * * * * * * * * * * * *
 CAREER: AVOID HIGH PRESSURE JOB,   Q.17E
* * * * * * * * * * * * * * * * * * * * * * *


                COUNT  I
              COL PCT  IALL 2-YR ALL 4-YR ALL UNI-    ROW
                       I COLLEGE  COLLEGE VERSITY    TOTAL
                       I      1 I      2 I      3 I
VAR050        ---------I--------I--------I--------I
                    1  I   187  I    58  I   453  I    698
     GREAT IMPORTANCE  I  30.3  I  25.6  I  25.0  I   26.3
                      -I--------I--------I--------I
                    2  I   219  I    93  I   730  I   1042
     SOME  IMPORTANCE  I  35.5  I  40.9  I  40.3  I   39.2
                      -I--------I--------I--------I
                    3  I   146  I    55  I   422  I    623
     LITTLE  IMPRTNCE  I  23.6  I  24.2  I  23.2  I   23.4
                      -I--------I--------I--------I
                    4  I    66  I    21  I   209  I    296
     NO    IMPORTANCE  I  10.7  I   9.3  I  11.5  I   11.1
                      -I--------I--------I--------I
               COLUMN      618      228     1814      2659
                TOTAL     23.2      8.6     68.2     100.0


                COUNT  I
              COL PCT  IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    ROW
                       I-YR COLL 2-YR COL 4-YR COL UNIV     UNIV      TOTAL
                       I      1 I      2 I      3 I      4 I      5 I
VAR050        ---------I--------I--------I--------I--------I--------I
                    1  I   167  I    20  I    58  I   367  I    86  I    698
     GREAT IMPORTANCE  I  30.5  I  28.9  I  25.6  I  25.9  I  21.6  I   26.3
                      -I--------I--------I--------I--------I--------I
                    2  I   194  I    25  I    93  I   583  I   148  I   1042
     SOME  IMPORTANCE  I  35.3  I  36.8  I  40.9  I  41.1  I  37.1  I   39.2
                      -I--------I--------I--------I--------I--------I
                    3  I   129  I    16  I    55  I   313  I   108  I    623
     LITTLE  IMPRTNCE  I  23.6  I  23.8  I  24.2  I  22.1  I  27.3  I   23.4
                      -I--------I--------I--------I--------I--------I
                    4  I    59  I     7  I    21  I   153  I    56  I    296
     NO    IMPORTANCE  I  10.7  I  10.5  I   9.3  I  10.8  I  14.0  I   11.1
                      -I--------I--------I--------I--------I--------I
               COLUMN      549       69      228     1416      397      2659
                TOTAL     20.6      2.6      8.6     53.3     14.9     100.0
```

```
* * * * * * * * * * * *
 CAREER: OPRTNITY FOR PROGRESS,      Q.17F
* * * * * * * * * * * * * * * * * * * * * *


                    COUNT   I
                    COL PCT IALL 2-YR ALL 4-YR ALL UNI-    ROW
                            I COLLEGE  COLLEGE VERSITY    TOTAL
                            I      1 I      2 I      3 I
VAR051              --------I--------I--------I--------I
                          1 I    262 I     68 I    606 I    935
  GREAT IMPORTANCE I   42.4 I   30.0 I   33.4 I   35.2
                           -I--------I--------I--------I
                          2 I    254 I    106 I    843 I   1203
  SOME  IMPORTANCE I   41.1 I   46.6 I   46.6 I   45.3
                           -I--------I--------I--------I
                          3 I     77 I     37 I    253 I    367
  LITTLE  IMPRTNCE I   12.5 I   16.3 I   14.0 I   13.8
                           -I--------I--------I--------I
                          4 I     25 I     16 I    109 I    149
  NO   IMPORTANCE  I    4.0 I    7.0 I    6.0 I    5.6
                           -I--------I--------I--------I
                     COLUMN      617      226     1811     2654
                      TOTAL     23.2      8.5     68.2    100.0


             COUNT   I
             COL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    ROW
                     I-YR COLL 2-YR COL 4-YR COL UNIV     UNIV       TOTAL
                     I      1 I      2 I      3 I      4 I      5 I
VAR051       --------I--------I--------I--------I--------I--------I
                   1 I    230 I     32 I     68 I    499 I    106- I    935
GREAT IMPORTANCE I   41.9 I   46.5 I   30.0 -I   35.3 I   26.7 I   35.2
                    -I--------I--------I--------I--------I--------I
                   2 I    224 I     29 I    106 I    662 I    182 I   1203
SOME  IMPORTANCE I   41.0 I   42.5 I   46.6 I   46.8 I   45.7 I   45.3
                    -I--------I--------I--------I--------I--------I
                   3 I     71 I      6 I     37 I    183 I     71 I    367
LITTLE  IMPRTNCE I   12.9 I    8.5 I   16.3 I   12.9 I   17.7 I   13.8
                    -I--------I--------I--------I--------I--------I
                   4 I     25 I      2 I     16 I     70 I     39 I    149
NO   IMPORTANCE  I    4.2 I    2.5 I    7.0 I    4.9 I    9.8 I    5.6
                    -I--------I--------I--------I--------I--------I
              COLUMN      548       69      226     1414      397     2654
               TOTAL     20.6      2.6      8.5     53.3     15.0    100.0
```

```
          * * * * * * * * * * * *
           CAREER: WØRK WITH PEØPLE,               Q.176
          * * * * * * * * * * * * * * * * * * * * * *


                     CØUNT   I
                     CØL PCT IALL 2-YR ALL 4-YR ALL UNI-    RØW
                             I CØLLEGE  CØLLEGE VERSITY    TØTAL
                             I     1  I     2  I     3  I
  VAR052            ---------I--------I--------I--------I
                           1 I   382  I   162  I  1081  I  1625
     GREAT IMPØRTANCE I  61.7  I  71.2  I  59.5  I  61.0
                            -I--------I--------I--------I
                           2 I   147  I    44  I   511  I   702
     SØME  IMPØRTANCE I  23.8  I  19.2  I  28.1  I  26.3
                            -I--------I--------I--------I
                           3 I    68  I    15  I   175  I   259
     LITTLE   IMPRTNCE I  11.1  I   6.6  I   9.6  I   9.7
                            -I--------I--------I--------I
                           4 I    21  I     6  I    50  I    78
     NØ    IMPØRTANCE  I   3.4  I   2.9  I   2.8  I   2.9
                            -I--------I--------I--------I
                     CØLUMN      619      228     1817     2664
                      TØTAL     23.2      8.5     68.2    100.0
```

```
              CØUNT   I
              CØL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    RØW
                      I-YR CØLL 2-YR CØL 4-YR CØL UNIV     UNIV       TØTAL
                      I     1  I     2  I     3  I     4  I     5  I
VAR052       ---------I--------I--------I--------I--------I--------I
                    1 I   344  I    38  I   162  I   868  I   213  I  1625
  GREAT IMPØRTANCE I  62.5  I  55.3  I  71.2  I  61.2  I  53.5  I  61.0
                     -I--------I--------I--------I--------I--------I
                    2 I   127  I    21  I    44  I   394  I   117  I   702
  SØME  IMPØRTANCE I  23.0  I  29.8  I  19.2  I  27.7  I  29.4  I  26.3
                     -I--------I--------I--------I--------I--------I
                    3 I    61  I     8  I    15  I   125  I    50  I   259
  LITTLE  IMPRTNCE I  11.1  I  10.9  I   6.6  I   8.8  I  12.6  I   9.7
                     -I--------I--------I--------I--------I--------I
                    4 I    18  I     3  I     6  I    32  I    18  I    78
  NØ   IMPØRTANCE  I   3.4  I   4.0  I   2.9  I   2.3  I   4.5  I   2.9
                     -I--------I--------I--------I--------I--------I
              CØLUMN      549       69      228     1419      398     2664
               TØTAL     20.6      2.6      8.5     53.3     15.0    100.0
```

```
* * * * * * * * * * * * * *
  CAREER: FREEDOM FROM SUPERVISION,  Q.17H
* * * * * * * * * * * * * * * * * * * * * * *


            COUNT  I
          COL PCT  IALL 2-YR ALL 4-YR ALL UNI-   ROW
                   I COLLEGE  COLLEGE VERSITY   TOTAL
                   I     1  I     2  I     3  I
VAR053     --------I--------I--------I--------I
                1  I   140  I    58  I   419  I   617
  GREAT IMPORTANCE I  22.7  I  25.6  I  23.1  I  23.2
                  -I--------I--------I--------I
                2  I   261  I   101  I   842  I  1204
  SOME  IMPORTANCE I  42.3  I  44.2  I  46.4  I  45.3
                  -I--------I--------I--------I
                3  I   144  I    57  I   438  I   639
  LITTLE  IMPRTNCE I  23.4  I  24.8  I  24.2  I  24.0
                  -I--------I--------I--------I
                4  I    72  I    12  I   115  I   199
  NO    IMPORTANCE I  11.6  I   5.4  I   6.3  I   7.5
                  -I--------I--------I--------I
           COLUMN      617      228     1815     2659
            TOTAL     23.2      8.6     68.2    100.0


            COUNT  I
          COL PCT  IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE   ROW
                   I-YR COLL 2-YR COL 4-YR COL UNIV     UNIV      TOTAL
                   I     1  I     2  I     3  I     4  I     5  I
VAR053     --------I--------I--------I--------I--------I--------I
                1  I   128  I    12  I    58  I   313  I   106  I   617
  GREAT IMPORTANCE I  23.3  I  17.2  I  25.6  I  22.1  I  26.6  I  23.2
                  -I--------I--------I--------I--------I--------I
                2  I   226  I    35  I   101  I   660  I   182  I  1204
  SOME  IMPORTANCE I  41.2  I  51.9  I  44.2  I  46.6  I  45.7  I  45.3
                  -I--------I--------I--------I--------I--------I
                3  I   127  I    17  I    57  I   348  I    90  I   639
  LITTLE  IMPRTNCE I  23.2  I  24.9  I  24.8  I  24.6  I  2 .6  I  24.0
                  -I--------I--------I--------I--------I--------I
                4  I    68  I     4  I    12  I    95  I    20  I   199
  NO    IMPORTANCE I  12.3 .I   6.0  I   5.4  I   6.7  I   5.1  I   7.5
                  -I--------I--------I--------I--------I--------I
           COLUMN      549       68      228     1416      398     2659
            TOTAL     20.6      2.6      8.6     53.3     15.0    100.0
```

```
         * * * * * * * * * * * *
          CAREER: STABLE, SECURE FUTURE,      Q.17I
         * * * * * * * * * * * * * * * * * * * * *



                COUNT   I
                COL PCT IALL 2-YR ALL 4-YR ALL UNI-   ROW
                        I COLLEGE  COLLEGE VERSITY   TOTAL
                        I     1  I     2  I     3  I
VAR054          --------I--------I--------I--------I
                     1  I   425  I    87  I   900  I  1412
  GREAT IMPORTANCE I  68.8  I  38.3  I  49.5  I  53.0
                       -I--------I--------I--------I
                     2  I   153  I   107  I   715  I   975
  SOME  IMPORTANCE I  24.8  I  47.2  I  39.3  I  36.6
                       -I--------I--------I--------I
                     3  I    28  I    29  I   158  I   216
  LITTLE  IMPRTNCE I   4.6  I  12.6  I   8.7  I   8.1
                       -I--------I--------I--------I
                     4  I    12  I     4  I    44  I    60
  NO    IMPORTANCE I   1.9  I   1.9  I   2.4  I   2.3
                       -I--------I--------I--------I
                COLUMN     618      228     1817      2663
                 TOTAL    23.2      8.6     68.2     100.0
```

```
                COUNT   I
                COL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    ROW
                        I-YR COLL 2-YR COL 4-YR COL UNIV     UNIV      TOTAL
                        I     1  I     2  I     3  I     4  I     5  I
VAR054          --------I--------I--------I--------I--------I--------I
                     1  I   384  I    41  I    87  I   737  I   163  I  1412
  GREAT IMPORTANCE I  70.0  I  58.8  I  38.3  I  51.9  I  40.9  I  53.0
                       -I--------I--------I--------I--------I--------I
                     2  I   132  I    21  I   107  I   538  I   177  I   975
  SOME  IMPORTANCE I  24.0  I  30.8  I  47.2  I  37.9  I  44.4  I  36.6
                       -I--------I--------I--------I--------I--------I
                     3  I    22  I     6  I    29  I   112  I    46  I   216
  LITTLE  IMPRTNCE I   4.0  I   9.4  I  12.6  I   7.9  I  11.6  I   8.1
                       -I--------I--------I--------I--------I--------I
                     4  I    11  I     1  I     4  I    32  I    12  I    60
  NO    IMPORTANCE I   2.0  I   1.0  I   1.9  I   2.2  I   3.1  I   2.3
                       -I--------I--------I--------I--------I--------I
                COLUMN     549       69      228     1419      398      2663
                 TOTAL    20.6      2.6      8.6     53.3     15.0     100.0
```

```
* * * * * * * * * * * * * *
  CAREER: ESTABLISH ØWN BUSINESS,      Q.17J
* * * * * * * * * * * * * * * * * * * * * *


                 CØUNT  I
                 CØL PCT IALL 2-YR ALL 4-YR ALL UNI-   RØW
                         I CØLLEGE  CØLLEGE VERSITY    TØTAL
                         I    1   I    2   I    3   I
  VAR055        --------I--------I--------I--------I
                     1  I   102  I    20  I   259  I   380
    GREAT IMPØRTANCE I   16.5  I   8.7  I  14.3  I  14.3
                        -I--------I--------I--------I
                     2  I   122  I    46  I   400  I   568
    SØME  IMPØRTANCE I   19.8  I  20.0  I  22.0  I  21.3
                        -I--------I--------I--------I
                     3  I   175  I    77  I   594  I   846
    LITTLE  IMPRTNCE I   28.3  I  33.8  I  32.7  I  31.8
                        -I--------I--------I--------I
                     4  I   218  I    85  I   563  I   867
    NØ   IMPØRTANCE  I   35.4  I  37.5  I  31.0  I  32.6
                        -I--------I--------I--------I
                 CØLUMN     617      228     1816     2661
                  TØTAL    23.2      8.6     68.3    100.0



            CØUNT  I
            CØL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE     RØW
                    I-YR CØLL 2-YR CØL 4-YR CØL UNIV     UNIV        TØTAL
                    I    1   I    2   I    3   I    4   I    5   I
VAR055      --------I--------I--------I--------I--------I--------I
                 1  I    87  I    15  I    20  I   190  I    69  I   380
  GREAT IMPØRTANCE I   15.8  I  21.6  I   8.7  I  13.4  I  17.4  I  14.3
                   -I--------I--------I--------I--------I--------I
                 2  I   106  I    16  I    46  I   309  I    91  I   568
  SØME  IMPØRTANCE I   19.3  I  23.7  I  20.0  I  21.8  I  22.9  I  21.3
                   -I--------I--------I--------I--------I--------I
                 3  I   150  I    25  I    77  I   473  I   121  I   846
  LITTLE  IMPRTNCE I   27.3  I  36.3  I  33.8  I  33.3  I  30.5  I  31.8
                   -I--------I--------I--------I--------I--------I
                 4  I   206  I    13  I    85  I   447  I   116  I   867
  NØ   IMPØRTANCE  I   37.5  I  18.4  I  37.5  I  31.5  I  29.2  I  32.6
                   -I--------I--------I--------I--------I--------I
            CØLUMN      549       68      228     1419      397     2661
             TØTAL     20.6      2.6      8.6     53.3     14.9    100.0
```

```
* * * * * * * * * * * * * *
  CAREER: POSITION W EXCLNT RET.BNFT.Q.17K
* * * * * * * * * * * * * * * * * * * * *


              COUNT  I
            COL PCT  IALL 2-YR ALL 4-YR ALL UNI-    ROW
                     I COLLEGE  COLLEGE VERSITY    TOTAL
                     I     1  I     2  I     3  I
VAR056       --------I--------I--------I--------I
                   1 I   184  I    29  I   382  I    595
    GREAT IMPORTANCE I  29.7  I  12.9  I  21.1  I   22.4
                    -I--------I--------I--------I
                   2 I   271  I    95  I   813  I   1179
    SOME  IMPORTANCE I  43.8  I  41.8  I  44.8  I   44.3
                    -I--------I--------I--------I
                   3 I    99  I    69  I   418  I    586
    LITTLE  IMPRTNCE I  16.0  I  30.3  I  23.0  I   22.0
                    -I--------I--------I--------I
                   4 I    64  I    34  I   201  I    300
    NO   IMPORTANCE  I  10.4  I  15.1  I  11.1  I   11.3
                    -I--------I--------I--------I
             COLUMN      618      228     1815      2660
              TOTAL     23.2      8.6     68.2     100.0


             COUNT  I
           COL PCT  IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE     ROW
                    I-YR COLL 2-YR COL 4-YR COL UNIV     UNIV       TOTAL
                    I     1  I     2  I     3  I     4  I     5  I
VAR056      --------I--------I--------I--------I--------I--------I
                  1 I   165  I    18  I    29  I   336  I    46  I    595
  GREAT IMPORTANCE  I  30.1  I  26.1  I  12.9  I  23.7  I  11.5  I   22.4
                   -I--------I--------I--------I--------I--------I
                  2 I   242  I    29  I    95  I   640  I   173  I   1179
  SOME  IMPORTANCE  I  44.1  I  41.9  I  41.8  I  45.2  I  43.4  I   44.3
                   -I--------I--------I--------I--------I--------I
                  3 I    83  I    16  I    69  I   307  I   111  I    586
  LITTLE  IMPRTNCE  I  15.1  I  23.4  I  30.3  I  21.7  I  28.0  I   22.0
                   -I--------I--------I--------I--------I--------I
                  4 I    59  I     6  I    34  I   133  I    68  I    300
  NO   IMPORTANCE   I  10.7  I   8.0  I  15.1  I   9.4  I  17.0  I   11.3
                   -I--------I--------I--------I--------I--------I
            COLUMN      549       69      228     1416      398      2660
             TOTAL     20.6      2.6      8.6     53.2     15.0     100.0
```

```
* * * * * * * * * * * * *
  YOUR RATE: ACADEMIC ABILITY,        Q.18A
* * * * * * * * * * * * * * * * * * * * * * * *


               COUNT  I
               COL PCT IALL 2-YR ALL 4-YR ALL UNI-    ROW
                       I COLLEGE  COLLEGE VERSITY    TOTAL
                       I     1  I     2  I     3  I
VAR057         --------I--------I--------I--------I
                     1 I   119  I    58  I   397  I   574
  HIGHEST 10%          I  19.2  I  25.5  I  21.8  I  21.5
                      -I--------I--------I--------I
                     2 I   287  I   123  I   909  I  1319
  ABOVE   AVERAGE      I  46.5  I  53.7  I  50.0  I  49.5
                      -I--------I--------I--------I
                     3 I   204  I    46  I   505  I   756
  ABOUT   AVERAGE      I  33.0  I  20.3  I  27.8  I  28.3
                      -I--------I--------I--------I
                     4 I     7  I     1  I     8  I    16
  BELOW   AVERAGE      I   1.1  I   0.4  I   0.4  I   0.6
                      -I--------I--------I--------I
                     5 I     1  I     0  I     1  I     2
  LOWER   10%          I   0.2  I   0.0  I   0.0  I   0.1
                      -I--------I--------I--------I
               COLUMN       619      228     1819     2666
                TOTAL      23.2      8.6     68.2    100.0


               COUNT  I
               COL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    ROW
                       I-YR COLL 2-YR COL 4-YR COL UNIV     UNIV      TOTAL
                       I     1  I     2  I     3  I     4  I     5  I
VAR057         --------I--------I--------I--------I--------I--------I
                     1 I   112  I     7  I    58  I   270  I   127  I   574
  HIGHEST 10%          I  20.4  I   9.5  I  25.5  I  19.0  I  31.9  I  21.5
                      -I--------I--------I--------I--------I--------I
                     2 I   254  I    34  I   123  I   705  I   204  I  1319
  ABOVE   AVERAGE      I  46.2  I  49.3  I  53.7  I  49.6  I  51.5  I  49.5
                      -I--------I--------I--------I--------I--------I
                     3 I   180  I    24  I    46  I   443  I    63  I   756
  ABOUT   AVERAGE      I  32.8  I  34.7  I  20.3  I  31.1  I  15.8  I  28.3
                      -I--------I--------I--------I--------I--------I
                     4 I     4  I     3  I     1  I     5  I     3  I    16
  BELOW   AVERAGE      I   0.6  I   4.9  I   0.4  I   0.3  I   0.8  I   0.6
                      -I--------I--------I--------I--------I--------I
                     5 I     0  I     1  I     0  I     0  I     1  I     2
  LOWER   10%          I   0.0  I   2.0  I   0.0  I   0.0  I   0.2  I   0.1
                      -I--------I--------I--------I--------I--------I
               COLUMN       549       69      228     1422      397     2666
                TOTAL      20.6      2.6      8.6     53.3     14.9    100.0
```

```
* * * * * * * * * * * * *
  YOUR RATE: ARTISTIC ABILITY,        0,188
* * * * * * * * * * * * * * * * * * * * *


             COUNT  I
           COL PCT  IALL 2-YR ALL 4-YR ALL UNI-    ROW
                    I COLLEGE  COLLEGE VERSITY    TOTAL
                    I     1  I     2  I     3  I
VAR058      --------I--------I--------I--------I
                  1 I    34  I    22  I   145  I    200
  HIGHEST 10%       I   5.5  I   9.5  I   8.0  I    7.5
                   -I--------I--------I--------I
                  2 I   130  I    60  I   404  I    594
  ABOVE   AVERAGE   I  21.1  I  26.4  I  22.2  I   22.3
                   -I--------I--------I--------I
                  3 I   250  I    89  I   717  I   1056
  ABOUT   AVERAGE   I  40.5  I  39.1  I  39.5  I   39.7
                   -I--------I--------I--------I
                  4 I   156  I    47  I   436  I    639
  BELOW   AVERAGE   I  25.2  I  20.5  I  24.0  I   24.0
                   -I--------I--------I--------I
                  5 I    48  I    10  I   114  I    172
  LOWER   10%       I   7.7  I   4.5  I   6.3  I    6.5
                   -I--------I--------I--------I
             COLUMN      617      228     1816     2661
              TOTAL     23.2      8.6     68.2    100.0


             COUNT  I
           COL PCT  IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    ROW
                    I-YR COLL 2-YR COL 4-YR COL UNIV     UNIV      TOTAL
                    I     1  I     2  I     3  I     4  I     5  I
VAR058      --------I--------I--------I--------I--------I--------I
                  1 I    29  I     5  I    22  I   105  I    40  I    200
  HIGHEST 10%       I   5.3  I   6.6  I   9.5  I   7.4  I  10.0  I    7.5
                   -I--------I--------I--------I--------I--------I
                  2 I   115  I    18  I    60  I   313  I    91  I    594
  ABOVE   AVERAGE   I  20.5  I  25.7  I  26.4  I  22.0  I  22.9  I   22.3
                   -I--------I--------I--------I--------I--------I
                  3 I   226  I    22  I    89  I   577  I   140  I   1056
  ABOUT   AVERAGE   I  41.6  I  31.6  I  39.1  I  40.7  I  35.3  I   39.7
                   -I--------I--------I--------I--------I--------I
                  4 I   137  I    19  I    47  I   332  I   104  I    639
  BELOW   AVERAGE   I  24.9  I  28.0  I  20.5  I  23.4  I  26.2  I   24.0
                   -I--------I----  ---I--------I--------I--------I
                  5 I    42  I     6  I    10  I    92  I    22  I    172
  LOWER   10%       I   7.7  I   8.0  I   4.5  I   6.5  I   5.6  I    6.5
                   -I--------I--------I--------I--------I--------I
             COLUMN      549       68      228     1419      397     2661
              TOTAL     20.6      2.6      8.6     53.3     14.9    100.0
```

```
   * * * * * * * * * * * *
    YOUR RATE: MATH.    ABILITY,        Q.18C
   *.* * * * * * * * * * * * * * * * * * * * *


                COUNT  I
                COL PCT IALL 2-YR ALL 4-YR ALL UNI-   ROW
                        I COLLEGE  COLLEGE VERSITY    TOTAL
                        I      1 I      2 I      3 I
  VAR059        --------I--------I--------I--------I
                      1 I     62 I     20 I    234 I    316
     HIGHEST 10%        I   10.0 I    8.9 I   12.9 I   11.9
                        -I--------I--------I--------I
                      2 I    150 I     64 I    577 I    791
     ABOVE   AVERAGE    I   24.2 I   28.0 I   31.7 I   29.7
                        -I--------I--------I--------I
                      3 I    257 I     80 I    614 I    951
     ABOUT   AVERAGE    I   41.5 I   35.3 I   33.7 I   35.7
                        -I--------I--------I--------I
                      4 I    122 I     53 I    339 I    514
     BELOW   AVERAGE    I   19.8 I   23.3 I   18.6 I   19.3
                        -I--------I--------I--------I
                      5 I     28 I     10 I     56 I     94
     LOWER   10%        I    4.6 I    4.5 I    3.1 I    3.5
                        -I--------I--------I--------I
                 COLUMN      619      228     1819     2666
                  TOTAL     23.2      8.5     68.3    100.0



         COUNT  I
         COL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    ROW
                 I-YR COLL 2-YR CGL 4-YR CGL UNIV     UNIV       TOTAL
                 I      1 I      2 I      3 I      4 I      5 I
VAR059   --------I--------I--------I--------I--------I--------I
               1 I     56 I      6 I     20 I    131 I    103 I    316
  HIGHEST 10%    I   10.2 I    8.0 I    8.9 I    9.2 I   25.9 I   11.9
                 -I--------I--------I--------I--------I--------I
               2 I    137 I     12 I     64 I    433 I    144 I    791
  ABOVE   AVERAGE I   25.0 I   18.0 I   28.0 I   30.5 I   36.3 I   29.7
                 -I--------I--------I--------I--------I--------I
               3 I    227 I     30 I     80 I    518 I    100 I    951
  ABOUT   AVERAGE I   41.3 I   43.2 I   35.3 I   36.1 I   25.1 I   35.7
                 -I--------I--------I--------I--------I--------I
               4 I    104 I     18 I     53 I    293 I     46 I    514
  BELOW   AVERAGE I   18.9 I   26.3 I   23.3 I   20.6 I   11.5 I   19.3
                 -I--------I--------I--------I--------I--------I
               5 I     25 I      3 I     10 I     51 I      5 I     94
  LOWER   10%    I    4.6 I    4.5 I    4.5 I    3.6 I    1.2 I    3.5
                 -I--------I--------I--------I--------I--------I
         COLUMN      549       69      228     1422      397     2666
          TOTAL     20.6      2.6      8.5     53.3     14.9    100.0
```

```
 * * * * * * * * * * * * *
   YØUR RATE: ØRIGINALITY,                  0.180
 * * * * * * * * * * * * * * * * * * * * * * * *


               CØUNT   I
               CØL PCT IALL 2-YR ALL 4-YR ALL UNI-    RØW
                       I CØLLEGE  CØLLEGE VERSITY    TØTAL
                       -I     1  I     2  I     3  I
VAR060          --------I--------I--------I--------I
                      1 I    78  I    36  I   236  I   350
  HIGHEST 10%           I  12.6  I  15.8  I  13.0  I  13.1
                       -I--------I--------I--------I
                      2 I   244  I   102  I   853  I  1199
  ABØVE    AVERAGE      I  39.5  I  44.9  I  46.9  I  45.0
                       -I--------I--------I--------I
                      3 I   259  I    79  I   661  I   999
  ABØUT    AVERAGE      I  42.0  I  34.5  I  36.3  I  37.5
                       -I--------I--------I--------I
                      4 I    32  I    11  I    66  I   109
  BELØW    AVERAGE      I   5.2  I   4.6  I   3.6  I   4.1
                       -I--------I--------I--------I
                      5 I     4  I     1  I     3  I     8
  LØWER    10%          I   0.7  I   0.3  I   0.2  I   0.3
                       -I--------I--------I--------I
               CØLUMN       618       228      1819     2665
                TØTAL      23.2       8.6      68.3    100.0
```

```
               CØUNT   I
               CØL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    RØW
                       I-YR CØLL 2-YR CØL 4-YR CØL UNIV     UNIV      TØTAL
                       I     1  I     2  I     3  I     4  I     5  I
VAR060          --------I--------I--------I--------I--------I--------I
                      1 I    70  I     8  I    36  I   181  I    54  I   350
  HIGHEST 10%           I  12.8  I  11.1  I  15.8  I  12.8  I  13.7  I  13.1
                       -I--------I--------I--------I--------I--------I
                      2 I   217  I    27  I   102  I   653  I   200  I  1199
  ABØVE    AVERAGE      I  39.6  I  38.6  I  44.9  I  45.9  I  50.3  I  45.0
                       -I--------I--------I--------I--------I--------I
                      3 I   228  I    31  I    79  I   536  I   125  I   999
  ABØUT    AVERAGE      I  41.5  I  45.3  I  34.5  I  37.7  I  31.5  I  37.5
                       -I--------I--------I--------I--------I--------I
                      4 I    29  I     3  I    11  I .  49  I    17  I   109
  BELØW    AVERAGE      I   5.3  I   5.0  I   4.6  I   3.4  I   4.3  I   4.1
                       -I--------I--------I--------I--------I--------I
                      5 I     4  I     0  I     1  I     3  I     1  I     8
  LØWER    10%          I   0.8  I   0.0  I   0.3  I   0.2  I   0.2  I   0.3
                       -I--------I--------I--------I--------I--------I
               CØLUMN       549        69       228      1422       397     2665
                TØTAL      20.6       2.6       8.6      53.4      14.9    100.0
```

```
          * * * * * * * * * * * *
           YOUR RATE: UNDERSTANDING OF OTHERS,Q.18E
          * * * * * * * * * * * * * * * * * * * * * *


               COUNT  I
               COL PCT IALL 2-YR ALL 4-YR ALL UNI-   ROW
                       I COLLEGE  COLLEGE VERSITY   TOTAL
                       I    1   I    2   I    3   I
 VAR061        --------I--------I--------I--------I
                   1   I   172  I    88  I   577  I   837
   HIGHEST 10%         I  27.8  I  38.4  I  31.7  I  31.4
                      -I--------I--------I--------I
                   2   I   283  I    98  I   866  I  1247
   ABOVE   AVERAGE     I  45.9  I  42.9  I  47.6  I  46.8
                      -I--------I--------I--------I
                   3   I   144  I    40  I   340  I   524
   ABOUT   AVERAGE     I  23.4  I  17.4  I  16.7  I  19.7
                      -I--------I--------I--------I
                   4   I    14  I     2  I    34  I    51
   BELOW   AVERAGE     I   2.3  I   1.0  I   1.9  I   1.9
                      -I--------I--------I--------I
                   5   I     3  I     0  I     3  I     6
   LOWER   10%         I   0.5  I   0.2  I   0.1  I   0.2
                      -I--------I--------I--------I
               COLUMN      617      228     1819     2665
                TOTAL     23.2      8.6     68.3    100.0



               COUNT  I
               COL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    ROW
                       I-YR COLL 2-YR COL 4-YR COL UNIV     UNIV      TOTAL
                       I    1   I    2   I    3   I    4   I    5   I
 VAR061        --------I--------I--------I--------I--------I--------I
                   1   I   158  I    14  I    88  I   444  I   133  I   837
   HIGHEST 10%         I  28.8  I  20.5  I  38.4  I  31.2  I  33.6  I  31.4
                      -I--------I--------I--------I--------I--------I
                   2   I   248  I    35  I    98  I   694  I   172  I  1247
   ABOVE   AVERAGE     I  45.4  I  50.7  I  42.9  I  48.8  I  43.2  I  46.8
                      -I--------I--------I--------I--------I--------I
                   3   I   126  I    18  I    40  I   262  I    77  I   524
   ABOUT   AVERAGE     I  23.0  I  26.4  I  17.4  I  18.5  I  19.5  I  19.7
                      -I--------I--------I--------I--------I--------I
                   4   I    13  I     1  I     2  I    20  I    14  I    51
   BELOW   AVERAGE     I   2.4  I   1.5  I   1.0  I   1.4  I   3.6  I   1.9
                      -I--------I--------I--------I--------I--------I
                   5   I     3  I     1  I     0  I     2  I     1  I     6
   LOWER   10%         I   0.5  I   1.0  I   0.2  I   0.1  I   0.2  I   0.2
                      -I--------I--------I--------I--------I--------I
               COLUMN      548       69      228     1422      397     2665
                TOTAL     20.6      2.6      8.6     53.4     14.9    100.0
```

```
     * * * * * * * * * * * * *
       YOUR RATE: WRITING ABILITY,          Q.18F
     * * * * * * * * * * * * * * * * * * * * * * *


                  COUNT  I
                  COL PCT IALL 2-YR ALL 4-YR ALL UNI-   ROW
                          I COLLEGE  COLLEGE VERSITY   TOTAL
                          I     1  I     2  I     3  I
    VAR062        --------I--------I--------I--------I
                       1  I    69  I    34  I   238  I   340
      HIGHEST 10%         I  11.1  I  14.7  I  13.1  I  12.8
                         -I--------I--------I--------I
                       2  I   202  I    95  I   652  I   949
      ABOVE    AVERAGE    I  32.6  I  41.7  I  35.9  I  35.6
                         -I--------I--------I--------I
                       3  I   264  I    76  I   743  I  1083
      ABOUT    AVERAGE    I  42.7  I  33.3  I  40.9  I  40.6
                         -I--------I--------I--------I
                       4  I    77  I    20  I   174  I   271
      BELOW    AVERAGE    I  12.4  I   9.0  I   9.6  I  10.2
                         -I--------I--------I--------I
                       5  I     7  I     3  I    11  I    21
      LOWER    10%        I   1.2  I   1.4  I   0.6  I   0.8
                         -I--------I--------I--------I
                  COLUMN      618      228     1619     2666
                   TOTAL     23.2      8.6     68.3    100.0


                  COUNT  I
                  COL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    ROW
                          I-YR COLL 2-YR COL 4-YR COL UNIV     UNIV       TOTAL
                          I     1  I     2  I     3  I     4  I     5  I
    VAR062        --------I--------I--------I--------I--------I--------I
                       1  I    60  I     9  I    34  I   179  I    59  I   340
      HIGHEST 10%         I  11.0  I  12.4  I  14.7  I  12.6  I  14.8  I  12.6
                         -I--------I--------I--------I--------I--------I
                       2  I   181  I    20  I    95  I   495  I   157  I   949
      ABOVE    AVERAGE    I  33.0  I  29.0  I  41.7  I  34.8  I  39.6  I  35.6
                         -I--------I--------I--------I--------I--------I
                       3  I   230  I    30  I    76  I   612  I   131  I  1083
      ABOUT    AVERAGE    I  42.0  I  43.2  I  33.3  I  43.1  I  33.1  I  40.6
                         -I--------I--------I--------I--------I--------I
                       4  I    66  I    10  I    20  I   129  I    45  I   271
      BELOW    AVERAGE    I  12.1  I  14.9  I   9.0  I   9.1  I  11.4  I  10.2
                         -I--------I--------I--------I--------I--------I
                       5  I     7  I     0  I     3  I     6  I     5  I    21
      LOWER    10%        I   1.3  I   0.0  I   1.4  I   0.4  I   1.2  I   0.8
                         -I--------I--------I--------I--------I--------I
                  COLUMN      549       69      226     1422      397     2665
                   TOTAL     20.6      2.6      8.6     53.3     14.9    100.0
```

```
  * * * * * * * * * * * * *
   YOUR RATE: SELF CNFDNCE, INTLCTL., Q.18G
  * * * * * * * * * * * * * * * * * * * * *


           CØUNT  I
           CØL PCT IALL 2-YR ALL 4-YR ALL UNI-    RØW
                   I CØLLEGE  CØLLEGE VERSITY    TØTAL
                   I       1 I      2 I      3 I
VAR063      --------I--------I--------I--------I
                  1 I     89 I     45 I    354 I     488
  HIGHEST 10%       I   14.4 I   19.8 I   19.4 I    18.3
                   -I--------I--------I--------I
                  2 I    279 I    106 I    888 I    1274
  ABØVE   AVERAGE   I   45.2 I   46.4 I   48.8 I    47.8
                   -I--------I--------I--------I
                  3 I    215 I     65 I    505 I     785
  ABØUT   AVERAGE   I   34.8 I   28.4 I   27.8 I    29.4
                   -I--------I--------I--------I
                  4 I     34 I     12 I     69 I     115
  BELØW   AVERAGE   I    5.5 I    5.1 I    3.8 I     4.3
                   -I--------I--------I--------I
                  5 I      1 I      1 I      3 I       4
  LØWER   10%       I    0.1 I    0.2 I    0.2 I     0.2
                   -I--------I--------I--------I
            CØLUMN       618      228     1819      2666
             TØTAL      23.2      8.6     68.5     100.0



           CØUNT  I
           CØL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    RØW
                   I-YR CØLL 2-YR CØL 4-YR CØL UNIV     UNIV      TØTAL
                   I       1 I      2 I      3 I      4 I      5 I
VAR063      --------I--------I--------I--------I--------I--------I
                  1 I     80 I      9 I     45 I    261 I     93 I     488
  HIGHEST 10%       I   14.5 I   13.5 I   19.8 I   18.4 I   23.5 I    18.3
                   -I--------I--------I--------I--------I--------I
                  2 I    253 I     26 I    106 I    680 I    208 I    1274
  ABØVE   AVERAGE   I   46.2 I   37.7 I   46.4 I   47.8 I   52.4 I    47.8
                   -I--------I--------I--------I--------I--------I
                  3 I    187 I     28 I     65 I    431 I     75 I     785
  ABØUT   AVERAGE   I   34.1 I   40.7 I   28.4 I   30.3 I   18.8 I    29.4
                   -I--------I--------I--------I--------I--------I
                  4 I     28 I      6 I     12 I     48 I     21 I     115
  BELØW   AVERAGE   I    5.2 I    8.4 I    5.1 I    3.4 I    5.2 I     4.3
                   -I--------I--------I--------I--------I--------I
                  5 I      1 I      0 I      1 I      2 I      1 I       4
  LØWER   10%       I    0.1 I    0.0 I    0.2 I    0.1 I    0.3 I     0.2
                   -I--------I--------I--------I--------I--------I
            CØLUMN       549       69      228     1422      397      2666
             TØTAL      20.6      2.6      8.6     53.3     14.9     100.0
            * * * * * * * * * * * *
             YØUR RATE: SELF CNFDNCE, SØCIAL,   Q.18H
            * * * * * * * * * * * * * * * * * * * * * *


                   CØUNT   I
                   CØL PCT IALL 2-YR ALL 4-YR ALL UNI-   RØW
                           I CØLLEGE  CØLLEGE VERSITY   TØTAL
                           I    1   I    2   I    3   I
VAR064             --------I--------I--------I--------I
                         1 I    93  I    37  I   318  I   448
  HIGHEST 10%              I  15.0  I  16.4  I  17.5  I  16.8
                          -I--------I--------I--------I
                         2 I   209  I    84  I   643  I   936
  ABØVE    AVERAGE         I  33.8  I  36.9  I  35.3  I  35.1
                          -I--------I--------I--------I
                         3 I   251  I    80  I   616  I   946
  ABØUT    AVERAGE         I  40.6  I  34.9  I  33.9  I  35.5
                          -I--------I--------I--------I
                         4 I    60  I    25  I   224  I   309
  BELØW    AVERAGE         I   9.7  I  11.0  I  12.3  I  11.6
                          -I--------I--------I--------I
                         5 I     6  I     2  I    19  I    27
  LØWER    10%             I   0.9  I   0.9  I   1.1  I   1.0
                          -I--------I--------I--------I
                   CØLUMN      618       228      1819     2666
                    TØTAL     23.2       8.6      68.3    100.0



                CØUNT   I
                CØL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC    PRIVATE     RØW
                        I-YR CØLL 2-YR CØL 4-YR CØL UNIV      UNIV       TØTAL
                        I    1   I    2   I    3   I    4   I    5   I
VAR064          --------I--------I--------I--------I--------I--------I
                      1 I    84  I     9  I    37  I   256  I    62  I   448
  HIGHEST 10%           I  15.3  I  12.5  I  16.4  I  18.0  I  15.6  I  16.8
                       -I--------I--------I--------I--------I--------I
                      2 I   185  I    23  I    84  I   506  I   137  I   936
  ABØVE    AVERAGE      I  33.8  I  33.8  I  36.9  I  35.6  I  34.5  I  35.1
                       -I--------I--------I--------I--------I--------I
                      3 I   220  I    31  I    80  I   484  I   132  I   946
  ABØUT    AVERAGE      I  40.0  I  45.2  I  34.9  I  34.1  I  33.1  I  35.5
                       -I--------I--------I--------I--------I--------I
                      4 I    54  I     6  I    25  I   167  I    57  I   309
  BELØW    AVERAGE      I   9.9  I   8.5  I  11.0  I  11.7  I  14.3  I  11.6
                       -I----- --I--------I--------I--------I--------I
                      5 I     6  I     0  I     2  I     9  I    10  I    27
  LØWER    10%          I   1.0  I   0.0  I   0.9  I   0.6  I   2.5  I   1.0
                       -I--------I--------I--------I--------I--------I
                CØLUMN      549        69       228      1422       397     2666
                 TØTAL     20.6       2.6       8.6      53.3      14.9    100.0
```

```
         * * * * * * * * * * * *
          YØUR RATE: SØCIABILITY+FRNDLNESS,   Q.18I
         * * * * * * * * * * * * * * * * * * * * * * *


                  CØUNT   I
                  CØL PCT IALL 2-YR ALL 4-YR ALL UNI-    RØW
                          I CØLLEGE  CØLLEGE VERSITY    TØTAL
                          I      1  I      2  I      3  I
 VAR065           --------I---------I---------I---------I
                        1 I    140  I     58  I    442  I    640
   HIGHEST 10%            I   22.6  I   25.4  I   24.4  I   24.0
                         -I---------I---------I---------I
                        2 I    243  I     94  I    757  I   1094
   ABØVE    AVERAGE       I   39.3  I   41.4  I   41.7  I   41.1
                         -I---------I---------I---------I
                        3 I    204  I     65  I    501  I    770
   ABØUT    AVERAGE       I   33.0  I   28.3  I   27.6  I   28.9
                         -I---------I---------I---------I
                        4 I     27  I     10  I    103  I    141
   BELØW    AVERAGE       I    4.4  I    4.6  I    5.7  I    5.3
                         -I---------I---------I---------I
                        5 I      4  I      1  I     12  I     17
   LØWER    10%           I    0.7  I    0.3  I    0.7  I    0.6
                         -I---------I---------I---------I
                  CØLUMN       619       228      1816      2662
                   TØTAL      23.2       8.6      68.2     100.0


          CØUNT   I
          CØL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC    PRIVATE     RØW
                  I-YR CØLL 2-YR CØL 4-YR CØL UNIV      UNIV        TØTAL
                  I      1  I      2  I      3  I      4  I      5  I
 VAR065   --------I---------I---------I---------I---------I---------I
                1 I    125  I     15  I     58  I    357  I     85  I    640
   HIGHEST 10%    I   22.7  I   21.9  I   25.4  I   25.2  I   21.5  I   24.0
                 -I---------I---------I---------I---------I---------I
                2 I    218  I     24  I     94  I    587  I    170  I   1094
   ABØVE   AVERAGE I  39.8  I   35.3  I   41.4  I   41.4  I   42.8  I   41.1
                 -I---------I---------I---------I---------I---------I
                3 I    179  I     26  I     65  I    388  I    114  I    770
   ABØUT   AVERAGE I  32.5  I   37.3  I   28.3  I   27.3  I   28.7  I   28.9
                 -I---------I---------I---------I---------I---------I
                4 I     24  I      3  I     10  I     80  I     23  I    141
   BELØW   AVERAGE I   4.4  I    4.5  I    4.6  I    5.6  I    5.8  I    5.3
                 -I---------I---------I---------I---------I---------I
                5 I      4  I      1  I      1  I      7  I      5  I     17
   LØWER   10%    I    0.7  I    1.0  I    0.3  I    0.5  I    1.2  I    0.6
                 -I---------I---------I---------I---------I---------I
          CØLUMN       549        69       228      1419       397      2662
           TØTAL      20.6       2.6       8.6      53.3      14.9     100.0
```

```
* * * * * * * * * * * * *
 'YØUR RATE: DRIVE TØ ACHIEVE,          Q,18J
* * * * * * * * * * * * * * * * * * * * * * *


             CØUNT  I
           CØL PCT  IALL 2-YR ALL 4-YR ALL UNI-    RØW
                    I CØLLEGE  CØLLEGE VERSITY    TØTAL
                    I     1  I     2  I     3  I
VAR066      --------I--------I--------I--------I
                  1 I   151  I    59  I   538  I    748
  HIGHEST 10%       I  24,4  I  25,8  I  29,6  I   28,1
                   -I--------I--------I--------I
                  2 I   275  I    96  I   742  I   1113
  ABØVE   AVERAGE   I  44,4  I  42,2  I  40,8  I   41.8
                   -I--------I--------I--------I
                  3 I   171  I    60  I   439  I    669
  ABØUT   AVERAGE   I  27,6  I  26,2  I  24,1  I   25,1
                   -I--------I--------I--------I
                  4 I    20  I    12  I    84  I    116
  BELØW   AVERAGE   I   3,2  I   5,1  I   4,6  I    4,3
                   -I--------I--------I--------I
                  5 I     2  I     1  I    16  I     20
  LØWER   10%       I   0,3  I   0,7  I   0,9  I    0,8
                   -I--------I--------I--------I
            CØLUMN      619      228     1819      2666
             TØTAL     23.2      8.6     68.2     100.0


             CØUNT  I
           CØL PCT  IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE     RØW
                    I-YR CØLL 2-YR CØL 4-YR CØL UNIV     UNIV       TØTAL
                    I     1  I     2  I     3  I     4  I     5  I
VAR066      --------I--------I--------I--------I--------I--------I
                  1 I   133  I    19  I    59  I   412  I   126  I    748
  HIGHEST 10%       I  24,1  I  26,9  I  25,8  I  29,0  I  31,7  I   28,1
                   -I--------I--------I--------I--------I--------I
                  2 I   248  I    27  I    96  I   588  I   154  I   1113
  ABØVE   AVERAGE   I  45,1  I  38,8  I  42,2  I  41,3  I  38,9  I   41,8
                   -I--------I--------I--------I--------I--------I
                  3 I   151  I    20  I    60  I   352  I    87  I    669
  ABØUT   AVERAGE   I  27,4  I  28,8  I  26,2  I  24,8  I  21,8  I   25,1
                   -I--------I--------I--------I--------I--------I
                  4 I    16  I     4  I    12  I    58  I    26  I    116
  BELØW   AVERAGE   I   3,0  I   5.5  I   5,1  I   4,1  I   6.5  I    4,3
                   -I--------I--------I--------I--------I--------I
                  5 I     2  I     0  I     1  I    12  I     4  I     20
  LØWER   10%       I   0,4  I   0.0  I   0,7  I   0,8  I   1.1  I    0.8
                   -I--------I--------I--------I--------I--------I
            CØLUMN      549       69      228     1422      397      2666
             TØTAL     20.6      2.6      8.6     53.3     14.9     100.0
```

```
              * * * * * * * * * * * *
                YOUR RATE: AFPRHNSN ABOUT FUTURE,  Q.18K
              * * * * * * * * * * * * * * * * * * * * *


                 COUNT   I
                 COL PCT IALL 2-YR ALL 4-YR ALL UNI-   ROW
                         I COLLEGE  COLLEGE VERSITY   TOTAL
                         I       1 I      2 I      3 I
         VAR067   --------I--------I--------I--------I
                        1 I     81 I     29 I    210 I    320
           HIGHEST 10%    I   13.1 I   12.8 I   11.5 I   12.0
                         -I--------I--------I--------I
                        2 I    204 I     64 I    522 I    790
           ABOVE   AVERAGE I   33.1 I   28.1 I   28.7 I   29.7
                         -I--------I--------I--------I
                        3 I    257 I    103 I    798 I   1158
           ABOUT   AVERAGE I   41.7 I   45.3 I   43.9 I   43.5
                         -I--------I--------I--------I
                        4 I     53 I     22 I    197 I    272
           BELOW   AVERAGE I    8.6 I    9.7 I   10.8 I   10.2
                         -I--------I--------I--------I
                        5 I     22 I      9 I     93 I    124
           LOWER   10%    I    3.6 I    4.1 I    5.1 I    4.7
                         -I--------I--------I--------I
                  COLUMN       616      228     1819     2663
                   TOTAL      23.1      8.5     68.3    100.0


           COUNT   I
           COL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    ROW
                   I-YR COLL 2-YR COL 4-YR COL UNIV     UNIV       TOTAL
                   I       1 I      2 I      3 I      4 I      5 I
   VAR067   --------I--------I--------I--------I--------I--------I
                  1 I     71 I     10 I     29 I    164 I     46 I    320
     HIGHEST 10%    I   12.9 I   14.0 I   12.8 I   11.5 I   11.6 I   12.0
                   -I--------I--------I--------I--------I--------I
                  2 I    182 I     22 I     64 I    413 I    109 I    790
     ABOVE   AVERAGE I   33.2 I   32.2 I   28.1 I   29.1 I   27.3 I   29.7
                   -I--------I--------I--------I--------I--------I
                  3 I    227 I     29 I    103 I    629 I    168 I   1158
     ABOUT   AVERAGE I   41.6 I   42.4 I   45.3 I   44.3 I   42.4 I   43.5
                   -I--------I--------I--------I--------I--------I
                  4 I     47 I      6 I     22 I    139 I     58 I    272
     BELOW   AVERAGE I    8.6 I    8.0 I    9.7 I    9.8 I   14.5 I   10.2
                   -I--------I--------I--------I--------I--------I
                  5 I     20 I      2 I      9 I     76 I     17 I    124
     LOWER   10%    I    3.6 I    3.5 I    4.1 I    5.4 I    4.2 I    4.7
                   -I--------I--------I--------I--------I--------I
            COLUMN       547       69      228     1422      397     2663
             TOTAL      20.6      2.6      8.5     53.4     14.9    100.0
```

```
                            * * * * * * * * * * * * * * *
                               FIELD1    FIRST MAJOR
                            * * * * * * * * * * * * * * *

      COUNT  I                                          I
      COL PCT IALL 2-YR ALL 4-YR ALL UNI-    ROW        IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC    PRIVATE      ROW
              I COLLEGE  COLLEGE VERSITY     TOTAL      I-YR COLL 2-YR COL 4-YR COL UNIV      UNIV         TOTAL
              I     1   I     2  I     3  I              I     1   I     2  I     3  I     4  I     5  I
FIELD1   --------I--------I--------I--------I              I--------I--------I--------I--------I--------I
            1 I     87  I     61 I    326 I    474       I     70  I     17 I     61 I    255 I     72 I    474
 ARTS AND HUMANIT I  15.3  I   28.3 I   19.1 I   19.0       I   13.9  I   26.5 I   28.3 I   19.2 I   18.9 I   19.0
             -I--------I--------I--------I              I--------I--------I--------I--------I--------I
            2 I     16  I     15 I     75 I    106       I     14  I      2 I     15 I     55 I     20 I    106
 BIOLOGICAL SCIEN I   2.8  I    7.0 I    4.4 I    4.3       I    2.8  I    2.7 I    7.0 I    4.1 I    5.4 I    4.3
             -I--------I--------I--------I              I--------I--------I--------I--------I--------I
            3 I    118  I     11 I    168 I    297       I    106  I     12 I     11 I    140 I     28 I    297
 BUSINESS         I  20.8  I    5.1 I    9.9 I   11.9       I   21.0  I   18.6 I    5.1 I   10.5 I    7.4 I   11.9
             -I--------I--------I--------I              I--------I--------I--------I--------I--------I
            4 I     30  I      5 I    226 I    261       I     28  I      3 I      5 I    136 I     89 I    261
 ENGINEERING      I   5.4  I    2.3 I   13.2 I   10.5       I    5.5  I    4.4 I    2.3 I   10.2 I   23.6 I   10.5
             -I--------I--------I--------I              I----- --I--------I--------I--------I--------I
            5 I     23  I     29 I    162 I    214       I     23  I      1 I     29 I     99 I     63 I    214
 PHYSICAL SCIENCE I   4.1  I   13.6 I    9.5 I    8.6       I    4.5  I    1.1 I   13.6 I    7.4 I   16.5 I    8.6
             -I--------I--------I--------I              I--------I--------I--------I--------I--------I
            6 I     87  I     24 I    114 I    225       I     81  I      6 I     24 I     93 I     21 I    225
 PROFESSIONAL     I  15.4  I   11.1 I    6.7 I    9.0       I   16.1  I   10.0 I   11.1 I    7.0 I    5.6 I    9.0
             -I--------I--------I--------I              I--------I--------I--------I--------I--------I
            7 I    101  I     57 I    419 I    577       I     89  I     12 I     57 I    349 I     70 I    577
 SOCIAL SCIENCES  I  17.9  I   26.6 I   24.5 I   23.2       I   17.7  I   19.3 I   26.6 I   26.2 I   18.4 I   23.2
             -I--------I--------I--------I              I--------I--------I--------I--------I--------I
            8 I     16  I      0 I     37 I     53       I     16  I      0 I      0 I     37 I      0 I     53
 AGRICULTURE      I   2.8  I    0.0 I    2.1 I    2.1       I    3.2  I    0.0 I    0.0 I    2.8 I    0.0 I    2.1
             -I--------I--------I--------I              I--------I--------I--------I--------I--------I
            9 I     77  I     11 I    160 I    248       I     69  I      8 I     11 I    150 I     10 I    248
 OTHER FIELDS     I  13.6  I    5.1 I    9.3 I    9.9       I   13.7  I   13.1 I    5.1 I   11.2 I    2.7 I    9.9
             -I--------I--------I--------I              I--------I-------  I--------I--------I--------I
           10 I     12  I      2 I     23 I     37       I      9  I      3 I      2 I     17 I      6 I     37
 UNDECIDED        I   2.0  I    0.9 I    1.4 I    1.5       I    1.7  I    4.3 I    0.9 I    1.3 I    1.5 I    1.5
             -I--------I--------I--------I              I--------I--------I----- --I--------I--------I
       COLUMN       567       216     1710     2493           504        63      216     1331      379      2493
        TOTAL      22.8       8.7     68.6    100.0          20.2       2.5      8.7     53.4     15.2     100.0
```

```
                             * * * * * * * * * * * * * *
                               FIELD2    CURRENT MAJØR
                             * * * * * * * * * * * * * *

           CØUNT   I                                          I
         CØL PCT   IALL 2-YR ALL 4-YR ALL UNI-     RØW  IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC    PRIVATE     RØW
                   I CØLLEGE  CØLLEGE VERSITY     TØTAL I-YR CØLL 2-YR CØL 4-YR CØL UNIV      UNIV        TØTAL
                   I    1    I    2    I    3    I       I    1    I    2    I    3    I    4    I    5    I
FIELD2     --------I---------I---------I---------I       I---------I---------I---------I---------I---------I
                 1 I    69   I    57   I   318   I   444 I    56   I    13   I    57   I   238   I    79   I   444
  ARTS AND HUMANIT I   12.3  I   26.2  I   18.7  I  17.9 I   11.2  I   22.0  I   26.2  I   18.0  I   21.1  I  17.9
                  -I---------I---------I---------I       I---------I---------I---------I----- --I---------I
                 2 I    14   I    12   I    53   I    80 I    11   I     3   I    12   I    36   I    18   I    80
  BIØLØGICAL SCIEN I    2.5  I    5.8  I    3.1  I   3.2 I    2.2  I    4.6  I    5.8  I    2.7  I    4.7  I   3.2
                  -I---------I---------I---------I       I---------I---------I---------I---------I---------I
                 3 I   119   I    13   I   202   I   333 I   109   I    10   I    13   I   165   I    36   I   333
  BUSINESS         I   21.3  I    5.8  I   11.8  I  13.4 I   21.8  I   17.1  I    5.8  I   12.5  I    9.6  I  13.4
                  -I---------I---------I---------I       I---------I---------I---------I---------I---------I
                 4 I    22   I     1   I   171   I   195 I    21   I     1   I     1   I    95   I    76   I   195
  ENGINEERING      I    4.0  I    0.6  I   10.1  I   7.9 I    4.3  I    1.8  I    0.6  I    7.2  I   20.1  I   7.9
                  -I---------I---------I---------I       I---------I---------I---------I---------I---------I
                 5 I    18   I    19   I   119   I   156 I    16   I     2   I    19   I    80   I    39   I   156
  PHYSICAL SCIENCE I    3.2  I    8.8  I    7.0  I   6.3 I    3.1  I    4.0  I    8.8  I    6.0  I   10.4  I   6.3
                  -I---------I---------I---------I       I---------I---------I---------I---------I---------I
                 6 I   119   I    28   I    97   I   245 I   114   I     6   I    28   I    77   I    20   I   245
  PRØFESSIØNAL     I   21.3  I   13.0  I    5.7  I   9.9 I   22.7  I    9.4  I   13.0  I    5.8  I    5.3  I   9.9
                  -I---------I---------I---------I       I---------I---------I---------I---------I---------I
                 7 I   109   I    73   I   530   I   713 I    94   I    16   I    73   I   438   I    92   I   713
  SØCIAL SCIENCES  I   19.5  I   33.9  I   31.2  I  28.8 I   18.7  I   25.9  I   33.9  I   33.1  I   24.6  I  28.8
                  -I---------I---------I---------I       I---------I---------I---------I---------I---------I
                 8 I    16   I     0   I    33   I    49 I    16   I     0   I     0   I    33   I     0   I    49
  AGRICULTURE      I    2.8  I    0.0  I    1.9  I   2.0 I    3.2  I    0.0  I    0.0  I    2.5  I    0.0  I   2.0
                  -I---------I---------I---------I       I---------I---------I---------I---------I---------I
                 9 I    65   I    13   I   178   I   256 I    58   I     6   I    13   I   162   I    16   I   256
  ØTHER FIELDS     I   11.5  I    5.9  I   10.5  I  10.3 I   11.7  I   10.3  I    5.9  I   12.2  I    4.3  I  10.3
                  -I---------I----- --I---------I       I---------I---------I---------I---------I---------I
                10 I     9   I     0   I     0   I     9 I     6   I     3   I     0   I     0   I     0   I     9
  UNDECIDED        I    1.6  I    0.0  I    0.0  I   0.4 I    1.1  I    5.1  I    0.0  I    0.0  I    0.0  I   0.4
                  -I---------I---------I---------I       I------ -I---------I---------I---------I---------I
            CØLUMN      561       217      1702     2479      501        60       217      1325       377      2479
             TØTAL     22.6       8.7      68.6    100.0     20.2       2.4       8.7      53.4      15.2     100.0
```

```
                          * * * * * * * * * * * * * * * * *
                           FIELD3    LIKE TØ BE MAJØR
                          * * * * * * * * * * * * * * * * *

          CØUNT I                                          I
        CØL PCT IALL 2-YR ALL 4-YR ALL UNI-     RØW   IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC    PRIVATE    RØW
                I CØLLEGE  CØLLEGE VERSITY    TØTAL I-YR CØLL 2-YR CØL 4-YR CØL UNIV      UNIV      TØTAL
                I    1   I     2  I     3  I         I    1   I    2   I    3   I    4   I    5   I
FIELD3  --------I--------I--------I--------I         I--------I--------I--------I--------I--------I
              1 I    74  I    53  I   295  I    422  I   62   I   12   I   53   I  221   I   74   I    422
  ARTS AND HUMANIT I 13.0 I  24.2 I  17.4  I   17.0  I  12.1  I  20.5  I  24.2  I  16.8  I  19.5  I   17.0
               -I--------I--------I--------I         I--------I- ------I--------I--------I--------I
              2 I    11  I    12  I    49  I     73  I    8   I    3   I   12   I   37   I   12   I     73
  BIØLØGICAL SCIEN I 1.9 I   5.5  I   2.9  I    2.9  I   1.6  I   4.6  I   5.5  I   2.8  I   3.3  I    2.9
               -I--------I--------I--------I         I--------I--------I--------I--------I--------I
              3 I   111  I    19  I   239  I    368  I   99   I   11   I   19   I  193   I   45   I    368
  BUSINESS      I  19.5  I   8.9  I  14.1  I   14.9  I  19.6  I  18.5  I   8.9  I  14.7  I  12.0  I   14.9
               -I--------I--------I--------I         I--------I--------I--------I--------I--------I
              4 I    22  I     2  I   156  I    180  I   20   I    2   I    2   I   92   I   64   I    180
  ENGINEERING   I   3.9  I   1.0  I   9.2  I    7.3  I   4.0  I   2.9  I   1.0  I   7.0  I  16.9  I    7.3
               -I--------I--------I--------I         I--------I--------I--------I--------I--------I
              5 I    14  I    12  I    86  I    113  I   13   I    1   I   12   I   56   I   31   I    113
  PHYSICAL SCIENCE I 2.5 I   5.7  I   5.1  I    4.5  I   2.5  I   2.3  I   5.7  I   4.2  I   8.1  I    4.5
               -I--------I--------I--------I         I--------I--------I--------I--------I--------I
              6 I   129  I    37  I   151  I    317  I  121   I    8   I   37   I  114   I   37   I    317
  PRØFESSIØNAL  I  22.7  I  17.0  I   8.9  I   12.8  I  23.9  I  13.2  I  17.0  I   8.6  I   9.8  I   12.8
               -I--------I--------I--------I         I--------I-------  I--------I--------I--------I
              7 I   106  I    61  I   455  I    622  I   93   I   13   I   61   I  376   I   79   I    622
  SØCIAL SCIENCES I 18.7 I  27.9  I  26.9  I   25.1  I  18.3  I  21.6  I  27.9  I  28.6  I  21.1  I   25.1
               -I--------I--------I--------I         I--------I--------I--------I--------I--------I
              8 I    16  I     1  I    36  I     54  I   16   I    0   I    1   I   36   I    1   I     54
  AGRICULTURE   I   2.9  I   0.5  I   2.1  I    2.2  I   3.2  I   0.0  I   0.5  I   2.7  I   0.2  I    2.2
               -I--------I--------I--------I         I--------I--------I--------I--------I--------I
              9 I    78  I    18  I   202  I    298  I   70   I    8   I   18   I  170   I   32   I    298
  ØTHER FIELDS  I  13.7  I   8.3  I  11.9  I   12.0  I  13.9  I  12.4  I   8.3  I  12.9  I   8.6  I   12.0
               -I--------I--------I--------I         I--------I---- ---I--------I--------I--------I
             10 I     6  I     2  I    25  I     31  I    4   I    2   I    2   I   20   I    2   I     31
  UNDECIDED     I   1.1  I   0.9  I   1.3  I    1.3  I   0.8  I   3.9  I   0.9  I   1.6  I   0.6  I    1.3
               -I--------I--------I--------I         I--------I--------I--------I--------I--------I
         CØLUMN      568      218     1691      2478      508       61      218     1314      377      2478
          TØTAL     22.9      8.8     68.3     100.0     20.5      2.4      8.8     53.0     15.2     100.0
```

```
                      * * * * * * * * * * * * * * * * * * * * *
                        FIELD4     WILL ENRØLL IN DEPT
                      * * * * * * * * * * * * * * * * * * * * *

          CØUNT  I                                            I
        CØL PCT  IALL 2-YR ALL 4-YR ALL UNI-      RØW        IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE     RØW
                 I CØLLEGE  CØLLEGE VERSITY      TØTAL       I-YR CØLL 2-YR CØL 4-YR CØL UNIV     UNIV       TØTAL
                 I     1   I     2   I     3   I              I     1   I     2   I     3   I     4   I     5   I
FIELD4   --------I---------I---------I---------I              I---------I---------I---------I-- -----I---------I
                1 I    62   I    46   I   266   I    374       I    50   I    11   I    46   I   210   I    56   I    374
 ARTS AND HUMANIT I  10.9   I  21.9   I  15.8   I   15.2       I   9.9   I  18.7   I  21.9   I  16.1   I  14.8   I   15.2
                 -I---------I---------I---------I              I---------I---------I---------I---------I---------I
                2 I     9   I    12   I    55   I     76       I     8   I     1   I    12   I    39   I    16   I     76
 BIØLØGICAL SCIEN I   1.6   I   5.6   I   3.3   I    3.1       I   1.6   I   2.3   I   5.6   I   3.0   I   4.2   I    3.1
                 -I---------I---------I---------I              I---------I---------I---------I---------I---------I
                3 I   122   I    18   I   275   I    415       I   111   I    11   I    18   I   191   I    83   I    415
 BUSINESS         I  21.6   I   8.5   I  16.3   I   16.8       I  22.1   I  18.3   I   8.5   I  14.6   I  22.1   I   16.8
                 -I---------I---------I---------I              I---------I---------I---------I---------I---------I
                4 I    24   I     1   I   121   I    146       I    21   I     2   I     1   I    78   I    43   I    146
 ENGINEERING      I   4.2   I   0.6   I   7.2   I    5.9       I   4.3   I   3.9   I   0.6   I   6.0   I  11.4   I    5.9
                 -I---------I---------I---------I              I---------I---------I---------I---------I---------I
                5 I    13   I    11   I    65   I     89       I    12   I     1   I    11   I    44   I    22   I     89
 PHYSICAL SCIENCE I   2.2   I   5.1   I   3.9   I    3.6       I   2.3   I   1.7   I   5.1   I   3.3   I   5.8   I    3.6
                 -I---------I---------I---------I              I---------I---------I---------I---------I---------I
                6 I   125   I    41   I   189   I    355       I   116   I     9   I    41   I   133   I    56   I    355
 PRØFESSIØNAL     I  22.1   I  19.4   I  11.2   I   14.4       I  23.1   I  14.2   I  19.4   I  10.2   I  14.9   I   14.4
                 -I---------I---------I---------I              I---------I---------I---------I---------I---------I
                7 I   112   I    62   I   489   I    663       I    99   I    13   I    62   I   414   I    75   I    663
 SØCIAL SCIENCES  I  19.8   I  29.2   I  29.0   I   26.9       I  19.6   I  20.6   I  29.2   I  31.6   I  20.0   I   26.9
                 -I---------I---------I---------I              I---------I---------I---------I---------I---------I
                8 I    15   I     0   I    31   I     47       I    15   I     0   I     0   I    31   I     0   I     47
 AGRICULTURE      I   2.7   I   0.2   I   1.8   I    1.9       I   3.0   I   0.0   I   0.2   I   2.4   I   0.0   I    1.9
                 -I---------I---------I---------I              I------ --I---------I---------I---------I---------I
                9 I    69   I    15   I   153   I    237       I    61   I     9   I    15   I   133   I    21   I    237
 ØTHER FIELDS     I  12.2   I   7.0   I   9.1   I    9.6       I  12.0   I  13.9   I   7.0   I  10.1   I   5.5   I    9.6
                 -I---------I---------I---------I              I---------I---------I---------I---------I----- --I
               10 I    15   I     5   I    41   I     61       I    11   I     4   I     5   I    37   I     4   I     61
 UNDECIDED        I   2.6   I   2.6   I   2.4   I    2.5       I   2.2   I   6.1   I   2.6   I   2.8   I   1.1   I    2.5
                 -I---------I---------I---------I              I----- --I---------I---------I---------I---------I
           CØLUMN     566       211      1687       2464           505        61       211      1310       377       2464
            TØTAL    23.0       8.6      68.5      100.0          20.5       2.5       8.6      53.2      15.3      100.0
```

```
                          * * * * * * * * * * * * * * * * * * * * * *
                           FIELDS    FIELD EXPECTED FØR LØNG CAREER
                          * * * * * * * * * * * * * * * * * * * * * * * * * *

            CØUNT  I                                           I
          CØL PCT  IALL 2-YR ALL 4=YR ALL UNI-   RØW   IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC    PRIVATE     RØW
                   I CØLLEGE  CØLLEGE VERSITY   TØTAL I-YR CØLL 2-YR CØL 4-YR CØL UNIV      UNIV       TØTAL
                   I     1   I     2   I     3   I       I     1   I     2   I     3   I     4   I     5   I
FIELDS     --------I---------I---------I---------I       I---------I---------I---------I---------I---------I
                 1 I     54  I     36  I    215  I   304 I     45  I      9  I     36  I    170  I     45  I   304
  ARTS AND HUMANIT I    9.5  I   16.5  I   12.7  I  12.3 I    8.9  I   14.7  I   16.5  I   12.9  I   11.9  I  12.3
                  -I---------I---------I---------I       I---------I---------I---------I---------I---------I
                 2 I      5  I      8  I     31  I    44 I      4  I      1  I      8  I     20  I     11  I    44
  BIØLØGICAL SCIEN I    0.9  I    3.5  I    1.8  I   1.8 I    0.8  I    1.7  I    3.5  I    1.5  I    2.8  I   1.8
                  -I---------I---------I---------I       I---------I---------I---------I---------I---------I
                 3 I    121  I     23  I    280  I   424 I    111  I     11  I     23  I    204  I     75  I   424
  BUSINESS         I   21.6  I   10.6  I   16.5  I  17.1 I   21.9  I   18.4  I   10.6  I   15.5  I   20.1  I  17.1
                  -I---------I---------I---------I       I---------I---------I---------I---------I---------I
                 4 I     23  I      2  I    137  I   162 I     20  I      2  I      2  I     78  I     58  I   162
  ENGINEERING      I    4.1  I    1.1  I    8.1  I   6.5 I    4.1  I    4.1  I    1.1  I    5.9  I   15.5  I   6.5
                  -I---------I---------I---------I       I---------I---------I---------I---------I---------I
                 5 I      9  I      9  I     51  I    69 I      7  I      1  I      9  I     52  I     19  I    69
  PHYSICAL SCIENCE I    1.5  I    4.2  I    3.0  I   2.8 I    1.5  I    2.3  I    4.2  I    2.4  I    5.1  I   2.8
                  -I---------I---------I---------I       I---------I---------I---------I---------I---------I
                 6 I    132  I     40  I    210  I   382 I    123  I      8  I     40  I    148  I     62  I   382
  PRØFESSIØNAL     I   23.4  I   18.4  I   12.4  I  15.4 I   24.5  I   14.1  I   18.4  I   11.2  I   16.6  I  15.4
                  -I---------I---------I---------I       I---------I---------I---------I---------I---------I
                 7 I    111  I     69  I    492  I   672 I     98  I     13  I     69  I    429  I     62  I   672
  SØCIAL SCIENCES  I   19.7  I   32.0  I   29.0  I  27.1 I   19.5  I   21.6  I   32.0  I   32.5  I   16.6  I  27.1
                  -I---------I---------I---------I       I---------I---------I---------I---------I---------I
                 8 I     19  I      1  I     33  I    52 I     19  I      0  I      1  I     33  I      0  I    52
  AGRICULTURE      I    3.3  I    0.3  I    1.9  I   2.1 I    3.7  I    0.0  I    0.3  I    2.5  I    0.0  I   2.1
                  -I---------I---------I---------I       I---------I---------I---------I---------I---------I
                 9 I     74  I     19  I    211  I   304 I      6  I      8  I     19  I    179  I     32  I   304
  ØTHER FIELDS     I   13.1  I    9.0  I   12.5  I  12.3 I   13.0  I   13.3  I    9.0  I   13.6  I    8.6  I  12.3
                  -I---------I---------I---------I       I---------I---------I---------I---------I---------I
                10 I     17  I     10  I     37  I    63 I     11  I      6  I     10  I     25  I     11  I    63
  UNDECIDED        I    2.9  I    4.4  I    2.2  I   2.5 I    2.1  I    9.8  I    4.4  I    1.9  I    3.0  I   2.5
                  -I---------I---------I---------I       I---------I---------I---------I---------I---------I
            CØLUMN      563       216      1697    2476       504        59       216      1321       376       2476
             TØTAL     22.8       8.7      68.5   100.0      20.4       2.4       8.7      53.3      15.2      100.0
```

```
                           * * * * * * * * * * * * * *
                          FIELD--LØNG CAREER YØU WØULD LIKE
                          * * * * * * * *.* * * * * * * * * * *

          CØUNT I                                           I
        CØL PCT IALL 2-YR ALL 4-YR ALL UNI-     RØW        IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    RØW
                I CØLLEGE  CØLLEGE VERSITY     TØTAL       I-YR CØLL 2-YR CØL 4-YR CØL UNIV     UNIV      TØTAL
                I      1 I      2 I      3 I               I      1 I      2 I      3 I      4 I      5 I
FIELD6   --------I--------I--------I--------I              I--------I--------I--------I--------I--------I
              1 I     68 I     42 I    259 I      369      I     55 I     13 I     42 I    203 I     57 I      369
  ARTS AND HUMANIT I   12.0 I   19.5 I   15.4 I     15.0      I   10.9 I   21.4 I   19.5 I   15.5 I   15.0 I     15.0
               -I--------I--------I--------I               I--------I--------I--------I--------I--------I
              2 I      7 I      8 I     30 I       46      I      5 I      2 I      8 I     23 I      7 I       46
  BIØLØGICAL SCIEN I    1.3 I    3.9 I    1.8 I      1.9      I    1.0 I    3.5 I    3.9 I    1.8 I    1.8 I      1.9
               -I--------I--------I--------I               I--------I--------I--------I--------I--------I
              3 I    101 I     19 I    247 I      366      I     92 I      9 I     19 I    179 I     67 I      366
  BUSINESS      I   17.9 I    8.6 I   14.6 I     14.8      I   18.2 I   15.4 I    8.6 I   13.7 I   17.9 I     14.8
               -I--------I--------I--------I               I--------I--------I--------I--------I--------I
              4 I     20 I      2 I    114 I      136      I     18 I      2 I      2 I     71 I     43 I      136
  ENGINEERING   I    3.6 I    0.9 I    6.8 I      5.5      I    3.6 I    2.9 I    0.9 I    5.4 I   11.5 I      5.5
               -I--------I--------I--------I               I--------I--------I--------I--------I--------I
              5 I      9 I      8 I     59 I       76      I      9 I      0 I      8 I     38 I     21 I       76
  PHYSICAL SCIENCE I    1.7 I    3.5 I    3.5 I      3.1      I    1.9 I    0.0 I    3.5 I    2.9 I    5.5 I      3.1
               -I--------I---- ---I--------I               I--------I--------I--------I--------I--------I
              6 I    134 I     46 I    262 I      443      I    126 I      8 I     46 I    190 I     72 I      443
  PRØFESSIØNAL  I   23.8 I   21.3 I   15.5 I     17.9      I   25.0 I   13.4 I   21.3 I   14.5 I   19.2 I     17.9
               -I--------I--------I--------I               I--------I--------I--------I--------I--------I
              7 I    113 I     59 I    421 I      594      I    101 I     13 I     59 I    359 I     62 I      594
  SØCIAL SCIENCES I   20.1 I   27.3 I   25.0 I     24.1      I   19.9 I   21.3 I   27.3 I   27.4 I   16.5 I     24.1
               -I--------I--------I--------I               I--------I--------I--------I--------I--------I
              8 I     17 I      1 I     35 I       53      I     17 I      0 I      1 I     34 I      1 I       53
  AGRICULTURE   I    3.1 I    0.3 I    2.1 I      2.1      I    3.5 I    0.0 I    0.3 I    2.6 I    0.2 I      2.1
               -I--------I--------I--------I               I--------I--------I--------I--------I--------I
              9 I     79 I     21 I    222 I      322      I     69 I     10 I     21 I    165 I     37 I      322
  ØTHER FIELDS  I   14.0 I    9.7 I   13.2 I     13.0      I   13.7 I   16.5 I    9.7 I   14.1 I    9.9 I     13.0
               -I--------I--------I--------I               I--------I--------I--------I--------I--------I
             10 I     15 I     11 I     38 I       64      I     11 I      3 I     11 I     29 I      9 I       64
  UNDECIDED     I    2.6 I    5.1 I    2.3 I      2.6      I    2.3 I    5.6 I    5.1 I    2.2 I    2.4 I      2.6
               -I--------I--------I--------I               I--------I--------I--------I--------I--------I
         CØLUMN      564      216     1688       2469          505       60      216     1312      376       2469
          TØTAL     22.9      8.8     68.4      100.0         20.4      2.4      8.8     53.1     15.2      100.0
```

```
                        * * * * * * * * * * * * * *
                          PLANS FØR NEXT FALL                 Q.20
                        * * * * * * * * * * * * * * * * * * * * * * *

             CØUNT  I                                          I
             CØL PCT IALL 2-YR ALL 4-YR ALL UNI-     RØW   IPUBLIC 2 PRIVATE  PRIVATE   PUBLIC    PRIVATE     RØW
                     I CØLLEGE  CØLLEGE VERSITY     TØTAL  I-YR CØLL 2-YR CØL 4-YR CØL UNIV      UNIV        TØTAL
                     I    1   I    2   I    3   I          I    1   I    2   I    3   I    4   I    5   I
VAR074      ---------I--------I--------I--------I          I--------I--------I--------I--------I--------I
                   1 I   389  I    56  I   449  I     894  I   334  I    55  I    56  I   301  I   148  I    894
  CØNTINUE SCHLING   I  63.7  I  24.4  I  25.1  I    34.0  I  61.7  I  79.7  I  24.4  I  21.5  I  38.1  I   34.0
                    -I--------I--------I--------I          I--------I--------I--------I--------I--------I
                   2 I   140  I   113  I   902  I    1154  I   134  I     5  I   113  I   736  I   166  I   1154
  START    WØRK      I  22.8  I  49.7  I  50.4  I    43.9  I  24.7  I   7.9  I  49.7  I  52.6  I  42.8  I   43.9
                    -I--------I--------I--------I          I--------I--------I--------I--------I--------I
                   3 I    27  I    29  I   262  I     318  I    24  I     3  I    29  I   234  I    29  I    318
  SEARCH   FØR WØRK  I   4.4  I  12.6  I  14.7  I    12.1  I   4.4  I   4.9  I  12.6  I  16.7  I   7.4  I   12.1
                    -I--------I--------I--------I          I--------I--------I--------I--------I--------I
                   4 I     6  I     3  I    31  I      39  I     5  I     0  I     3  I    21  I    10  I     39
  MILITARY SERVICE   I   0.9  I   1.1  I   1.7  I     1.5  I   1.0  I   0.5  I   1.1  I   1.5  I   2.6  I    1.5
                    -I--------I--------I--------I          I--------I--------I--------I--------I--------I
                   5 I     0  I     2  I     5  I       7  I     0  I     0  I     2  I     4  I     1  I      7
  PEACE    CØRPS, +  I   0.0  I   0.7  I   0.3  I     0.3  I   0.0  I   0.0  I   0.7  I   0.3  I   0.4  I    0.3
                    -I--------I--------I--------I          I--------I--------I--------I--------I--------I
                   6 I     3  I     4  I    21  I      28  I     3  I     0  I     4  I    13  I     8  I     28
  TRAVEL             I   0.5  I   1.8  I   1.2  I     1.1  I   0.6  I   0.0  I   1.8  I   1.0  I   2.0  I    1.1
                    -I--------I--------I--------I          I--------I--------I--------I--------I--------I
                   7 I     3  I     1  I    13  I      17  I     3  I     0  I     1  I    11  I     1  I     17
  NØN-EMPL HSEWIFE   I   0.5  I   0.6  I   0.7  I     0.7  I   0.6  I   0.0  I   0.6  I   0.8  I   0.4  I    0.7
                    -I--------I--------I--------I          I--------I--------I--------I--------I--------I
                   8 I    43  I    20  I   105  I     169  I    38  I     5  I    20  I    80  I    25  I    169
  NØT  DEFINITE      I   7.1  I   9.0  I   5.9  I     6.4  I   7.1  I   7.0  I   9.0  I   5.7  I   6.4  I    6.4
                    -I--------I--------I--------I          I------ -I--------I--------I--------I--------I
             CØLUMN     611      227      1788       2626     542       69      227      1400      388       2626
             TØTAL     23.3      8.7      68.1      100.0    20.6      2.6      8.7      53.3     14.8      100.0
```

```
                    * * * * * * * * * * * * * *
                    PLANS ØF MØST FRIENDS AFTER GRAD.,   Q.20
                    * * * * * * * * * * * * * * * * * * * * * *

           CØUNT  I                                            I
         CØL PCT  IALL 2-YR ALL 4-YR ALL UNI-     RØW     IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE     RØW
                  I CØLLEGE  CØLLEGE VERSITY      TØTAL   I-YR CØLL 2-YR CØL 4-YR CØL UNIV     UNIV        TØTAL
                  I     1  I     2  I     3  I            I     1  I     2  I     3  I     4  I     5  I
VAR075    --------I--------I--------I--------I            I--------I--------I--------I--------I--------I
                1 I   328  I    49  I   425  I    801     I   270  I    57  I    49  I   293  I   131  I    801
 CØNTINUE SCHLING I  55.3  I  21.8  I  24.0  I   31.0     I  51.5  I  84.7  I  21.8  I  21.3  I  33.7  I   31.0
                 -I--------I--------I--------I            I--------I--------I--------I--------I--------I
                2 I   161  I   105  I   802  I   1069     I   157  I     3  I   105  I   631  I   171  I   1069
 START   WØRK     I  27.2  I  47.4  I  45.4  I   41.4     I  30.0  I   5.1  I  47.4  I  45.8  I  44.0  I   41.4
                 -I--------I--------I--------I            I--------I--------I--------I--------I--------I
                3 I    33  I    40  I   358  I    431     I    32  I     1  I    40  I   306  I    52  I    431
 SEARCH  FØR WØRK I   5.6  I  18.0  I  20.2  I   16.7     I   6.0  I   2.0  I  18.0  I  22.2  I  13.4  I   16.7
                 -I--------I--------I--------I            I--------I--------I--------I--------I--------I
                4 I     0  I     0  I    14  I     14     I     0  I     0  I     0  I    12  I     2  I     14
 MILITARY SERVICE I   0.0  I   0.1  I   0.8  I    0.5     I   0.0  I   0.0  I   0.1  I   0.9  I   0.5  I    0.5
                 -I--------I--------I--------I            I--------I--------I--------I--------I--------I
                5 I     0  I     0  I     3  I      4     I     0  I     0  I     0  I     3  I     1  I      4
 PEACE   CØRPS, + I   0.0  I   0.2  I   0.2  I    0.2     I   0.0  I   0.0  I   0.2  I   0.2  I   0.2  I    0.2
                 -I--------I--------I--------I            I--------I--------I--------I--------I--------I
                6 I     6  I     1  I    17  I     24     I     5  I     0  I     1  I    16  I     1  I     24
 TRAVEL           I   0.9  I   0.6  I   1.0  I    0.9     I   1.0  I   0.5  I   0.6  I   1.1  I   0.4  I    0.9
                 -I--------I--------I--------I            I--------I--------I--------I--------I--------I
                7 I     7  I     2  I     6  I     15     I     7  I     0  I     2  I     6  I     1  I     15
 NØN-EMPL HSEWIFE I   1.2  I   0.8  I   0.4  I    0.6     I   1.4  I   0.0  I   0.8  I   0.4  I   0.2  I    0.6
                 -I--------I--------I--------I            I--------I--------I--------I--------I--------I
                8 I    58  I    25  I   142  I    225     I    53  I     5  I    25  I   113  I    30  I    225
 NØT  DEFINITE    I   9.8  I  11.0  I   8.0  I    8.7     I  10.0  I   7.6  I  11.0  I   8.2  I   7.6  I    8.7
                 -I--------I--------I--------I            I--------I--------I--------I--------I--------I
           CØLUMN     592      222     1768       2583        524       68      222     1379      389       2583
            TØTAL    22.9      8.6     68.5      100.0       20.3      2.6      8.6     53.4     15.1      100.0
```

```
                         * * * * * * * * * * * * * *
                         HIGHES ACADEMIC DEGREE TO 0BTAIN,    0,21
                         * * * * * * * * * * * * * * * * * * * * * * * * *

         COUNT  I                                           I
       COL PCT  IALL 2-YR ALL 4-YR ALL UNI-     ROW         IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC    PRIVATE     ROW
                I COLLEGE  COLLEGE VERSITY      TOTAL       I-YR COLL 2-YR COL 4-YR COL UNIV      UNIV        TOTAL
                I     1  I     2  I     3  I                I     1  I     2  I     3  I     4  I     5  I
AR076   --------I--------I--------I--------I                I--------I--------I--------I--------I--------I
              1 I   104  I     0  I     0  I     104        I    98  I     5  I     0  I     0  I     0  I     104
 ASSCIATE       I  17,1  I   0,0  I   0,0  I     3,9        I  18,2  I   8,5  I   0,0  I   0,0  I   0,0  I     3,9
               -I--------I--------I--------I                I--------I--------I--------I--------I--------I
              2 I   233  I    42  I   448  I     722        I   206  I    27  I    42  I   367  I    81  I     722
 BACHELRS       I  38,5  I  18,4  I  24,8  I    27,4        I  38,1  I  42,0  I  18,4  I  26.0  I  20,6  I    27,4
               -I--------I--------I--------I                I--------I--------I--------I--------I--------I
              3 I   195  I   124  I   911  I    1230        I   173  I    22  I   124  I   740  I   171  I    1230
 MASTER  DEGREE I  32,2  I  54,6  I  50,5  I    46,7        I  32,0  I  34,4  I  54,6  I  52,4  I  43,7  I    46,7
               -I--------I--------I--------I                I--------I--------I--------I--------I--------I
              4 I    32  I    40  I   267  I     338        I    28  I     3  I    40  I   169  I    78  I     338
 PHD-EDD        I   5,2  I  17,5  I  14,8  I    12,8        I   5,2  I   5,4  I  17,5  I  13,4  I  19,9  I    12,8
               -I--------I--------I--------I                I--------I--------I--------I--------I--------I
              5 I    19  I     8  I    84  I     111        I    17  I     2  I     8  I    53  I    31  I     111
 MD,D0,  DDS,DVM I  3,2  I   3,6  I   4,6  I     4,2        I   3,2  I   3.3  I   3,6  I   3.7  I   7,9  I     4,2
               -I--------I--------I--------I                I--------I--------I--------I--------I--------I
              6 I    16  I     6  I    82  I     104        I    12  I     3  I     6  I    56  I    26  I     104
 LLB, JD        I   2,6  I   2,7  I   4,6  I     4.0        I   2,3  I   5,4  I   2,7  I   4,0  I   6,7  I     4.0
               -I--------I--------I--------I                I--------I--------I--------I--------I--------I
              7 I     2  I     1  I     3  I       6        I     2  I     0  I     1  I     3  I     0  I       6
 BD             I   0,3  I   0,5  I   0,2  I     0,2        I   0,3  I   0,5  I   0,5  I   0,2  I   0,0  I     0,2
               -I--------I--------I--------I                I--------I--------I--------I--------I--------I
              8 I     5  I     6  I     9  I      20        I     4  I     0  I     6  I     5  I     4  I      20
 0THER          I   0,8  I   2,6  I   0,5  I     0,7        I   0,8  I   0,5  I   2,6  I   0,3  I   1,1  I     0,7
               -I--------I--------I--------I                I--------I--------I--------I--------I--------I
         COLUMN     605      227     1803      2635             540       65      227     1412      391        2635
          T0TAL    23,0      8,6     68,4     100,0            20,5      2,5      8,6     53,6     14,8       100,0
```

```
* * * * * * * * * * * * *
. PLAN TO ATTEND GRAD-PRFSNL SCHOOL,  Q,22
* * * * * * * * * * * * * * * * * * * * * *


               COUNT  I
               COL PCT IALL 2-YR ALL 4-YR ALL UNI-   ROW
                      I COLLEGE  COLLEGE VERSITY   TOTAL
                      I      1  I     2  I     3  I
.VAR077        --------I--------I--------I--------I
                     1 I   125  I    44  I   419  I   588
  YES,IMMEDIATELY     I  20,3  I  19,6  I  23,3  I  22,3
                     -I--------I--------I--------I
                     2 I   141  I   122  I   838  I  1101
  YES, NOT IMMDTLY I  22,9  I  53,8  I  46,6  I  41,7
                     -I--------I--------I--------I
                     3 I    23  I    14  I    62  I    99
  YES,SOON ACCEPTD I   3,7  I   6,1  I   3,5  I   3,7
                     -I--------I--------I--------I
                     4 I   170  I    26  I   224  I   421
  NOT SURE            I  27,8  I  11,7  I  12,5  I  16,0
                     -I--------I--------I--------I
                     5 I   154  I    20  I   256  I   430
  NO                  I  25,2  I   8,7  I  14,2  I  16,3
                     -I--------I--------I--------I
               COLUMN      613       226      1800     2639
                TOTAL     23.2       8,6      68,2    100,0


               COUNT  I
               COL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE     ROW
                      I-YR COLL 2-YR COL 4-YR COL UNIV     UNIV       TOTAL
                      I      1  I     2  I     3  I     4  I     5  I
VAR077         --------I--------I--------I--------I--------I--------I
                     1 I   112  I    12  I    44  I   296  I   123  I    588
  YES,IMMEDIATELY     I  20,5  I  18,6  I  19,6  I  21,1  I  31,3  I   22,3
                     -I--------I--------I--------I--------I--------I
                     2 I   128  I    13  I   122  I   679  I   160  I   1101
  YES, NOT IMMDTLY I  23,4  I  19,4  I  53,8  I  48,3  I  40,6  I   41,7
                     -I--------I--------I--------I--------I--------I
                     3 I    20  I     2  I    14  I    40  I    22  I     99
  YES,SOON ACCEPTD I   3,7  I   3,6  I   6,1  I   2,8  I   5,7  I    3,7
                     -I--------I--------I--------I--------I--------I
                     4 I   147  I    23  I    26  I   180  I    44  I    421
  NOT SURE            I  26,9  I  34,8  I  11,7  I  12,8  I  11,2  I   16,0
                     -I--------I--------I--------I--------I--------I
                     5 I   139  I    16  I    20  I   211  I    44  I    430
  NO                  I  25,4  I  23,6  I   8,7  I  15,0  I  11,3  I   16,3
                     -I--------I--------I--------I--------I--------I
               COLUMN      546        67       226      1406       394     2639
                TOTAL     20,7       2,5       8,6      53,3      14,9    100,0
```

```
* * * * * * * * * * * * * * * * * *
 VAR078    NUMBER ØF APPLICATIØNS,                Q.23
* * * * * * * * * * * * * * * * * * * * * * * * * * *


         CØUNT  I                                          I
       CØL PCT  IALL 2-YR ALL 4-YR ALL UNI-      RØW       IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC    PRIVATE      RØW
                I CØLLEGE  CØLLEGE VERSITY      TØTAL      I-YR CØLL 2-YR CØL 4-YR CØL UNIV      UNIV        TØTAL
                I       1 I       2 I       3 I            I       1 I       2 I       3 I       4 I       5 I
VAR078  --------I---------I---------I---------I            I---------I---------I---------I---------I---------I
             1  I      72 I      18 I     272 I       361  I      61 I      10 I      18 I     225 I      47 I     361
                I    57.4 I    26.5 I    52.9 I      51.2  I    58.8 I    50.2 I    26.5 I    63.4 I    29.5 I    51.2
               -I---------I---------I---------I            I---------I---------I---------I---------I---------I
             2  I      41 I      13 I      47 I       101  I      34 I       7 I      13 I      30 I      18 I     101
                I    32.8 I    19.3 I     9.2 I      14.4  I    32.7 I    33.2 I    19.3 I     8.3 I    11.3 I    14.4
               -I---------I---------I---------I            I---------I---------I---------I---------I---------I
             3  I       9 I      11 I      40 I        60  I       7 I       2 I      11 I      22 I      17 I      60
                I     7.5 I    16.8 I     7.7 I       8.6  I     7.1 I    10.0 I    16.8 I     6.3 I    11.0 I     8.6
               -I---------I---------I---------I            I---------I---------I---------I---------I---------I
             4  I       2 I      12 I      39 I        53  I       1 I       1 I      12 I      23 I      16 I      53
                I     1.9 I    17.3 I     7.5 I       7.5  I     1.0 I     6.6 I    17.3 I     6.5 I     9.9 I     7.5
               -I---------I---------I---------I            I---------I---------I---------I---------I---------I
             5  I       1 I       4 I      44 I        48  I       1 I       0 I       4 I      20 I      23 I      48
                I     0.4 I     5.8 I     8.5 I       6.8  I     0.5 I     0.0 I     5.8 I     5.7 I    14.7 I     6.8
               -I---------I---------I---------I            I---------I---------I---------I---------I---------I
             6  I       0 I       7 I      27 I        34  I       0 I       0 I       7 I      16 I      11 I      34
                I     0.0 I     9.9 I     5.2 I       4.7  I     0.0 I     0.0 I     9.9 I     4.4 I     7.1 I     4.7
               -I---------I---------I---------I            I---------I---------I---------I---------I---------I
             7  I       0 I       3 I      46 I        49  I       0 I       0 I       3 I      19 I      26 I      49
                I     0.0 I     4.4 I     8.9 I       6.9  I     0.0 I     0.0 I     4.4 I     5.5 I    16.5 I     6.9
               -I---------I---------I---------I            I---------I---------I---------I---------I---------I
        CØLUMN        125        67       513        706         104        21        67       354       159       706
         TØTAL       17.7       9.5      72.7      100.0        14.8       2.9       9.5      50.2      22.5     100.0
```

```
          * * * * * * * * * * * * * *
            NUMBER ØF ACCEPTANCE,                 0,23
          * * * * * * * * * * * * * * * * * * * * * * * * * *

          CØUNT  I                                       I
        CØL PCT  IALL 2-YR ALL 4-YR ALL UNI-     RØW     IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE     RØW
                 I CØLLEGE  CØLLEGE VERSITY     TØTAL    I-YR CØLL 2-YR CØL 4-YR CØL UNIV     UNIV       TØTAL
                 I      1 I      2 I      3 I            I      1 I      2 I      3 I      4 I      5 I
VAR079   --------I--------I--------I--------I            I--------I--------I--------I--------I--------I
              1  I    73  I    20  I   264  I     357    I    63  I    10  I    20  I   208  I    56  I    357
                 I  67,7  I  40,9  I  65,9  I    64,1    I  69,6  I  58,2  I  40,9  I  74,8  I  45,8  I   64,1
                -I--------I--------I--------I            I--------I--------I--------I--------I--------I
              2  I    27  I    14  I    56  I      97    I    22  I     5  I    14  I    30  I    27  I     97
                 I  24,9  I  28,8  I  14,1  I    17,5    I  24,0  I  30,0  I  28,8  I  10,7  I  21,8  I   17,5
                -I--------I--------I--------I            I--------I--------I--------I--------I--------I
              3  I     5  I     7  I    33  I      46    I     5  I     1  I     7  I    19  I    14  I     46
                 I   5,1  I  15,1  I   8,3  I     8,3    I   5,3  I   3,9  I  15,1  I   7,0  I  11,3  I    8,3
                -I--------I--------I--------I            I--------I--------I--------I--------I--------I
              4  I     2  I     4  I    23  I      29    I     1  I     1  I     4  I     5  I    17  I     29
                 I   2,3  I   7,8  I   5,6  I     5,2    I   1,2  I   7,9  I   7,8  I   1,9  I  14,1  I    5,2
                -I--------I--------I--------I            I--------I--------I--------I--------I--------I
              5  I     0  I     3  I    15  I      17    I     0  I     0  I     3  I     9  I     5  I     17
                 I   0,0  I   5,3  I   3,6  I     3,1    I   0,0  I   0,0  I   5,3  I   3,3  I   4,4  I    3,1
                -I--------I--------I--------I            I--------I--------I--------I--------I--------I
              6  I     0  I     1  I     8  I       8    I     0  I     0  I     1  I     5  I     3  I      8
                 I   0,0  I   1,1  I   2,0  I     1,5    I   0,0  I   0,0  I   1,1  I   1,7  I   2,7  I    1,5
                -I--------I--------I--------I            I--------I--------I--------I--------I--------I
              7  I     0  I     0  I     2  I       2    I     0  I     0  I     0  I     2  I     0  I      2
                 I   0,0  I   1,0  I   0,4  I     0,4    I   0,0  I   0,0  I   1,0  I   0,6  I   0,0  I    0,4
                -I--------I--------I--------I            I--------I--------I--------I--------I--------I
         CØLUMN      107       49      400        556        90       17       49      277      122        556
          TØTAL     19.3      8.9     71.8      100.0      16.2      3.1      8.9     49.9     22.0      100.0
```

```
* * * * * * * * * * * *
  PREFER ANOTHER GRAD.INSTITUTION,     Q.25
* * * * * * * * * * * * * * * * * * * * * *


              COUNT   I
              COL PCT IALL 2-YR ALL 4-YR ALL UNI-   ROW
                      I COLLEGE  COLLEGE VERSITY    TOTAL
                      I       1 I       2 I       3 I
VAR080        --------I---------I---------I---------I
                    1 I      48 I      20 I     206 I    274
  YES                 I    27.9 I    25.4 I    32.1 I   30.7
                     -I---------I---------I---------I
                    2 I     124 I      58 I     437 I    619
  NO                  I    72.1 I    74.6 I    67.9 I   69.3
                     -I---------I---------I---------I
               COLUMN       171        78       644      893
                TOTAL      19.2       8.7      72.1    100.0


              COUNT   I
              COL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    ROW
                      I-YR COLL 2-YR COL 4-YR COL UNIV     UNIV       TOTAL
                      I       1 I       2 I       3 I       4 I       5 I
VAR080        --------I---------I---------I---------I---------I---------I
                    1 I      42 I       6 I      20 I     158 I      49 I    274
  YES                 I    28.4 I    24.4 I    25.4 I    33.4 I    28.5 I   30.7
                     -I---------I---------I---------I---------I---------I
                    2 I     107 I      17 I      58 I     315 I     123 I    619
  NO                  I    71.6 I    75.6 I    74.6 I    66.6 I    71.5 I   69.3
                     -I---------I---------I---------I---------I---------I
               COLUMN       149        23        78       472       171      893
                TOTAL      16.7       2.5       8.7      52.9      19.2    100.0
```

```
                    * * * * * * * * * * * * * *
                     TØTAL EXPENDITURE FØR 1972-73,       Q.26
                    * * * * * * * * * * * * * * * * * * * * *

                                                          I
            CØUNT  I                                         IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    RØW
           CØL PCT IALL 2-YR ALL 4-YR ALL UNI-    RØW     I-YR CØLL 2-YR CØL 4-YR CØL UNIV     UNIV      TØTAL
                   I CØLLEGE  CØLLEGE VERSITY    TØTAL    I    1    I    2    I    3    I    4    I    5    I
                   I    1    I    2    I    3    I
VAR081     --------I---------I---------I---------I        I---------I---------I---------I---------I---------I
                 1 I    320  I      9  I    269  I    599 I    314  I      6  I      9  I    237  I     32  I    599
 UNDER   $1,000    I   52.8  I    4.2  I   15.1  I   22.9 I   58.3  I    8.7  I    4.2  I   17.0  I    8.2  I   22.9
                  -I---------I---------I---------I        I---------I---------I---------I---------I---------I
                 2 I     99  I     10  I    202  I    311 I     89  I     10  I     10  I    186  I     16  I    311
 $1,001 - $1,500   I   16.3  I    4.5  I   11.4  I   11.9 I   16.4  I   15.3  I    4.5  I   13.4  I    4.2  I   11.9
                  -I---------I---------I---------I        I---------I---------I---------I---------I---------I
                 3 I     45  I     16  I    269  I    329 I     33  I     12  I     16  I    249  I     19  I    329
 $1,501 - $2,000   I    7.4  I    7.1  I   15.1  I   12.6 I    6.1  I   17.9  I    7.1  I   18.0  I    4.9  I   12.6
                  -I---------I---------I---------I        I---------I---------I---------I---------I---------I
                 4 I     36  I     19  I    332  I    387 I     28  I      8  I     19  I    295  I     36  I    387
 $2,001 - $2,500   I    5.9  I    8.7  I   18.6  I   14.8 I    5.3  I   11.2  I    8.7  I   21.3  I    9.3  I   14.8
                  -I---------I---------I---------I        I---------I---------I---------I---------I---------I
                 5 I     59  I     38  I    312  I    410 I     40  I     19  I     38  I    224  I     88  I    410
 $2,501 - $3,000   I    9.8  I   17.2  I   17.6  I   15.7 I    7.5  I   27.9  I   17.2  I   16.2  I   22.6  I   15.7
                  -I---------I---------I---------I        I---------I---------I---------I---------I---------I
                 6 I     31  I    104  I    255  I    391 I     19  I     12  I    104  I    115  I    141  I    391
 $3,001 - $3,500   I    5.1  I   46.4  I   14.4  I   15.0 I    3.6  I   17.5  I   46.4  I    8.3  I   36.1  I   15.0
                  -I---------I---------I---------I        I---------I---------I---------I---------I---------I
                 7 I     11  I     24  I    100  I    135 I     10  I      0  I     24  I     51  I     49  I    135
 $3,501 - $5,000   I    1.8  I   10.7  I    5.6  I    5.2 I    1.9  I    0.5  I   10.7  I    3.7  I   12.7  I    5.2
                  -I---------I---------I---------I        I---------I---------I---------I---------I---------I
                 8 I      5  I      3  I     40  I     48 I      5  I      1  I      5  I     31  I      8  I     48
 ØVER    $7,501    I    0.9  I    1.2  I    2.2  I    1.8 I    0.9  I    1.0  I    1.2  I    2.3  I    2.2  I    1.8
                  -I---------I---------I---------I        I---------I---------I---------I---------I---------I
            CØLUMN      607       224      1779     2610       539        68       224      1389       390      2610
             TØTAL     23.3       8.6      68.1    100.0      20.7       2.6       8.6      53.2      14.9     100.0
```

```
                              * * * * * * * * * * * * *
                              PARENTAL FAMILY'S TØT,INCØME 1972,  Q,27
                              * * * * * * * * * * * * * * * * * * * * *
            CØUNT  I                                            I
          CØL PCT  IALL 2-YR ALL 4-YR ALL UNI-    RØW  IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    RØW
                   I CØLLEGE  CØLLEGE VERSITY   TØTAL I-YR CØLL 2-YR CØL 4-YR CØL UNIV     UNIV      TØTAL
                   I     1  I     2  I     3  I        I     1  I     2  I     3  I     4  I     5  I
VAR082     --------I--------I--------I--------I        I--------I--------I--------I--------I--------I
                 1 I    18  I     4  I    58  I    79  I    16  I     2  I     4  I    47  I    12  I    79
  UNDER   $2,999   I   3,1  I   1,6  I   3,4  I   3,2  I   3,1  I   3,2  I   1,6  I   3,5  I   3,1  I   3,2
                  -I--------I--------I--------I        I--------I--------I--------I--------I--------I
                 2 I    46  I    10  I   106  I   162  I    43  I     3  I    10  I    93  I    13  I   162
  $3,000 - $5,999  I   8,1  I   4,7  I   6,3  I   6,5  I   8,5  I   4,8  I   4,7  I   7,1  I   3,6  I   6,5
                  -I--------I--------I--------I        I--------I--------I--------I--------I--------I
                 3 I    46  I    10  I   100  I   156  I    42  I     3  I    10  I    83  I    17  I   156
  $6,000 - $7,999  I   8,0  I   4,5  I   5,9  I   6,3  I   8,4  I   5,2  I   4,5  I   6,3  I   4,6  I   6,3
                  -I--------I--------I--------I        I--------I--------I--------I--------I--------I
                 4 I    78  I    21  I   194  I   293  I    73  I     4  I    21  I   162  I    32  I   293
  $8,000 - $9,999  I  13,7  I   9,6  I  11,5  I  11,8  I  14,6  I   6,4  I   9,6  I  12,3  I   8,5  I  11,8
                  -I--------I--------I--------I        I--------I--------I--------I--------I--------I
                 5 I   121  I    37  I   294  I   452  I   110  I    12  I    37  I   240  I    54  I   452
  $10,000-$12,499  I  21,4  I  16,9  I  17,4  I  18,2  I  21,8  I  17,9  I  16,9  I  18,2  I  14,3  I  18,2
                  -I--------I--------I--------I        I--------I--------I--------I------- -I--------I
                 6 I    93  I    37  I   252  I   382  I    81  I    11  I    37  I   197  I    55  I   382
  $12,500-$14,999  I  16,4  I  17,2  I  14,8  I  15,4  I  16,2  I  17,4  I  17,2  I  14,9  I  14,5  I  15,4
                  -I--------I--------I--------I        I--------I--------I--------I--------I--------I
                 7 I    79  I    31  I   328  I   437  I    71  I     8  I    31  I   244  I    84  I   437
  $15,000-$19,999  I  13,9  I  14,1  I  19,3  I  17,6  I  14,2  I  12,2  I  14,1  I  18,5  I  22,1  I  17,6
                  -I--------I--------I--------I        I--------I--------I--------I------- I--------I
                 8 I    40  I    30  I   148  I   218  I    31  I     9  I    30  I   105  I    43  I   218
  $20,000-$24,999  I   7,1  I  14,0  I   8,7  I   8,8  I   6,2  I  14,2  I  14,0  I   8,0  I  11,3  I   8,8
                  -I--------I--------I--------I        I--------I--------I--------I--------I--------I
                 9 I    13  I    10  I    78  I   101  I     9  I     3  I    10  I    65  I    13  I   101
  $25,000-$29,999  I   2,2  I   4,8  I   4,6  I   4,1  I   1,9  I   4,7  I   4,8  I   4,9  I   3,4  I   4,1
                  -I--------I--------I--------I        I--------I--------I--------I--------I--------I
                10 I    13  I     9  I    56  I    78  I    11  I     3  I     9  I    37  I    19  I    78
  $30,000-$39,999  I   2,3  I   4,1  I   3,3  I   3,2  I   2,1  I   4,1  I   4,1  I   2,8  I   5,0  I   3,2
                  -I--------I--------I--------I        I--------I--------I--------I--------I--------I
                11 I    22  I    18  I    81  I   121  I    15  I     6  I    18  I    44  I    37  I   121
  ØVER   $40,000   I   3,8  I   8,4  I   4,8  I   4,9  I   3,0  I   9,9  I   8,4  I   3,3  I   9,8  I   4,9
                  -I--------I--------I--------I        I--------I--------I--------I--------I--------I
            CØLUMN     568      216     1696     2480      502       65      216     1318      379     2480
             TØTAL    22.9      8.7     68.4    100.0     20.3      2.6      8.7     53.1     15.3    100.0
```

```
                        * * * * * * * * * * * * * * *
                         PREDØMINANT NATL,BCKRØUND; MØTHER,  Q,28
                        * * * * * * * * * * * * * * * * * * * * * *
          CØUNT  I                                    I
        CØL PCT  IALL 2-YR ALL 4-YR ALL UNI-   RØW   IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    RØW
                 I CØLLEGE  CØLLEGE VERSITY    TØTAL I-YR CØLL 2-YR CØL 4-YR CØL UNIV     UNIV      TØTAL
                 I    1   I    2   I    3   I        I    1   I    2   I    3   I    4   I    5   I
VAR083   --------I--------I--------I--------I        I--------I--------I--------I--------I--------I
              1  I   133  I    51  I   382  I    566 I   120  I    13  I    51  I   331  I    52  I    566
                 I  22,4  I  23,0  I  21,7  I   22,0 I  22,7  I  19,5  I  23,0  I  24,0  I  13,5  I   22,0
                -I--------I--------I--------I        I--------I--------I--------I--------I--------I
              2  I    57  I    35  I   202  I    294 I    46  I    10  I    35  I   159  I    43  I    294
  IRISH          I   9,6  I  15,7  I  11,5  I   11,4 I   8,8  I  15,7  I  15,7  I  11,6  I  11,2  I   11,4
                -I--------I--------I--------I        I--------I--------I--------I--------I--------I
              3  I   154  I    54  I   449  I    657 I   130  I    24  I    54  I   378  I    71  I    657
  GRM,AUST,SWISS I  25,9  I  24,5  I  25,5  I   25,5 I  24,7  I  36,1  I  24,5  I  27,5  I  18,5  I   25,5
                -I--------I--------I--------I        I--------I--------I--------I--------I--------I
              4  I    35  I    27  I    97  I    159 I    34  I     1  I    27  I    76  I    21  I    159
  SCANDINAVIAN   I   5,8  I  12,1  I   5,5  I    6,2 I   6,4  I   1,0  I  12,1  I   5,5  I   5,5  I    6,2
                -I--------I--------I--------I        I--------I--------I--------I--------I--------I
              5  I    30  I    11  I    49  I     90 I    29  I     1  I    11  I    28  I    22  I     90
  ITALIAN        I   5,1  I   4,9  I   2,8  I    3,5 I   5,5  I   2,1  I   4,9  I   2,0  I   5,6  I    3,5
                -I--------I--------I--------I        I--------I--------I--------I--------I--------I
              6  I    30  I     5  I    60  I     95 I    28  I     2  I     5  I    48  I    11  I     95
  FR,FR-C,BELGIAN I  5,1  I   2,3  I   3,4  I    3,7 I   5,2  I   3,6  I   2,3  I   3,5  I   2,9  I    3,7
                -I--------I--------I--------I        I--------I--------I--------I--------I--------I
              7  I    39  I    13  I   142  I    194 I    37  I     2  I    13  I    83  I    59  I    194
  PØLISH         I   6,6  I   5,8  I   8,1  I    7,5 I   7,1  I   3,1  I   5,8  I   6,1  I  15,4  I    7,5
                -I--------I--------I--------I        I--------I--------I--------I--------I--------I
              8  I    30  I     8  I   102  I    141 I    24  I     6  I     8  I    47  I    56  I    141
  RUS+ØTHR E,EURØP I 5,1  I   3,6  I   5,8  I    5,5 I   4,5  I   9,7  I   3,6  I   3,4  I  14,5  I    5,5
                -I--------I--------I--------I        I--------I--------I--------I--------I--------I
              9  I    40  I     7  I   163  I    209 I    39  I     0  I     7  I   154  I     9  I    209
  AM,NEG,-AFR,AM, I  6,7  I   3,0  I   9,3  I    8,1 I   7,4  I   0,5  I   3,0  I  11,2  I   2,4  I    8,1
                -I--------I--------I--------I        I--------I--------I--------I--------I--------I
             10  I    14  I     2  I    12  I     28 I    14  I     0  I     2  I     7  I     4  I     28
  SPN,PRT,LAT,AM, I  2,3  I   0,9  I   0,7  I    1,1 I   2,6  I   0,0  I   0,9  I   0,5  I   1,2  I    1,1
                -I--------I--------I--------I        I--------I--------I--------I--------I--------I
             11  I     8  I     2  I    35  I     45 I     6  I     2  I     2  I    19  I    16  I     45
  CHIN,JP,IND,+ØTH I 1,3  I   0,9  I   2,0  I    1,7 I   1,2  I   2,6  I   0,9  I   1,4  I   4,3  I    1,7
                -I--------I--------I--------I        I--------I--------I--------I--------I--------I
             12  I    24  I     7  I    64  I     96 I    20  I     4  I     7  I    45  I    19  I     96
  ØTHER          I   4,1  I   3,2  I   3,7  I    3,7 I   3,9  I   6,2  I   3,2  I   3,3  I   5,0  I    3,7
                -I--------I--------I--------I        I--------I--------I--------I--------I--------I
         CØLUMN      593       221      1758     2573     526        67       221      1376      383      2573
          TØTAL     23,1       8,6      68,3    100,0    20,5       2,6       8,6      53,5     14,9     100,0
```

```
                          * * * * * * * * * * * * * * *
                            PREDØMINANT NATL,BCKRØUND; FATHER,  Q.28
                          * * * * * * * * * * * * * * * * * * * * * * * *
                                                                    I
        CØUNT   I
      CØL PCT   IALL 2-YR ALL 4-YR ALL UNI-    RØW    IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC    PRIVATE      RØW
                I CØLLEGE  CØLLEGE VERSITY   TØTAL   I-YR CØL  2-YR CØL 4-YR CØL UNIV      UNIV       TØTAL
                I    1   I    2   I    3   I          I    1   I    2   I    3   I    4   I    5   I
VAR084  --------I--------I-- -----I--------I          I--------I--------I--------I--------I--------I
              1 I   117  I    58  I   353  I   529    I   102  I    16  I    58  I   295  I    58  I    529
                I  19,8  I  26,0  I  20,0  I  20,5    I  19,2  I  24,1  I  26,0  I  21,4  I  15,1  I   20,5
               -I--------I--------I--------I          I--------I--------I--------I--------I--------I
              2 I    71  I    25  I   189  I   285    I    61  I    10  I    25  I   146  I    43  I    285
  IRISH         I  12,0  I  11,0  I  10,7  I  11,0    I  11,6  I  15,3  I  11,0  I  10,6  I  11,3  I   11,0
               -I--------I--------I--------I          I--------I--------I--------I--------I--------I
              3 I   174  I    51  I   508  I   734    I   152  I    23  I    51  I   432  I    77  I    734
GRM,AUST,SWISS  I  29,4  I  23,0  I  28,8  I  28,4    I  28,7  I  34,5  I  23,0  I  31,3  I  19,9  I   28,4
               -I--------I--------I--------I          I--------I--------I--------I--------I--------I
              4 I    40  I    28  I   116  I   184    I    38  I     3  I    28  I    97  I    19  I    184
  SCANDINAVIAN  I   6,8  I  12,5  I   6,6  I   7,1    I   7,1  I   4,2  I  12,5  I   7,0  I   4,9  I    7,1
               -I--------I--------I--------I          I--------I--------I--------I--------I--------I
              5 I    31  I    10  I    58  I    99    I    30  I     1  I    10  I    40  I    18  I     99
  ITALIAN       I   5,2  I   4,5  I   3,3  I   3,8    I   5,6  I   2,1  I   4,5  I   2,9  I   4,7  I    3,8
               -I--------I--------I--------I          I--------I--------I--------I--------I--------I
              6 I    15  I     6  I    40  I    61    I    13  I     2  I     6  I    32  I     8  I     61
  FR,FR-C,BELGIAN I 2,6  I   2,5  I   2,3  I   2,4    I   2,5  I   3,1  I   2,5  I   2,3  I   2,1  I    2,4
               -I--------I--------I--------I          I--------I--------I--------I--------I--------I
              7 I    34  I    14  I   118  I   166    I    32  I     2  I    14  I    56  I    62  I    166
  PØLISH        I   5,8  I   6,1  I   6,7  I   6,4    I   6,1  I   3,1  I   6,1  I   4,0  I  16,1  I    6,4
               -I--------I--------I--------I          I--------I--------I--------I--------I--------I
              8 I    26  I    11  I    98  I   135    I    21  I     5  I    11  I    50  I    48  I    135
RUS+ØTHR E,EURØP I  4,4  I   5,0  I   5,5  I   5,2    I   3,9  I   7,8  I   5,0  I   3,6  I  12,4  I    5,2
               -I--------I--------I--------I          I--------I--------I--------I--------I--------I
              9 I    40  I     6  I   165  I   210    I    39  I     0  I     6  I   154  I    11  I    210
 AM,NEG,-AFR,AM, I  6,7  I   2,7  I   9,3  I   8,2    I   7,4  I   0,5  I   2,7  I  11,2  I   2,8  I    8,2
               -I--------I--------I--------I          I--------I--------I--------I--------I--------I
             10 I    14  I     2  I    15  I    31    I    14  I     0  I     2  I    10  I     5  I     31
 SPN,PRT,LAT,AM, I  2,3  I   0,9  I   0,9  I   1,2    I   2,6  I   0,0  I   0,9  I   0,7  I   1,3  I    1,2
               -I--------I--------I--------I          I--------I--------I--------I--------I--------I
             11 I     5  I     1  I    33  I    39    I     4  I     1  I     1  I    19  I    15  I     39
CHIN,JP,IND,+ØTH I  0,8  I   0,7  I   1,9  I   1,5    I   0,7  I   1,6  I   0,7  I   1,4  I   3,8  I    1,5
               -I--------I--------I--------I          I--------I--------I--------I--------I--------I
             12 I    26  I    11  I    69  I   106    I    24  I     2  I    11  I    47  I    22  I    106
  ØTHER         I   4,4  I   5,0  I   3,9  I   4,1    I   4,5  I   3,7  I   5,0  I   3,4  I   5,6  I    4,1
               -I--------I--------I--------I          I--------I--------I--------I--------I--------I
         CØLUMN     594      223      1763     2580       528       66       223      137      385      2580
          TØTAL    23,0      8,7      68,3    100,0      20,5      2,5       8,7     53,4     14,9     100,0
 * * * * * * * * * * * *
   HIGHEST LVL EDUCATION, FATHER,       0,29
 * * * * * * * * * * * * * * * * * * * * * *

              COUNT   I
              COL PCT IALL 2-YR ALL 4-YR ALL UNI-   ROW
                      I COLLEGE  COLLEGE VERSITY   TOTAL
                      I     1  I     2  I     3  I
VAR085        --------I--------I--------I--------I
                    0 I    76  I    10  I   193  I   280
   GR,SCHL OR LESS    I  12,4  I   4,5  I  10,7  I  10,6
                     -I--------I--------I--------I
                    1 I   101  I    26  I   258  I   384
   SOME  H,SCHOOL     I  16,3  I  11,2  I  14,3  I  14,5
                     -I--------I--------I--------I
                    2 I   274  I    95  I   754  I  1123
   H,SCHOOL GRAD,     I  44,4  I  41,9  I  41,8  I  42,4
                     -I--------I--------I--------I
                    3 I   106  I    54  I   339  I   498
   SOME     COLLEGE   I  17,1  I  23,6  I  18,8  I  18,8
                     -I--------I--------I--------I
                    4 I    52  I    33  I   209  I   294
   COLLEGE GRAD,      I   8,5  I  14,3  I  11,6  I  11,1
                     -I--------I--------I--------I
                    5 I     9  I    10  I    50  I    69
   POSTGRAD DEGREE    I   1,4  I   4,4  I   2,8  I   2,6
                     -I--------I--------I--------I
               COLUMN     618      227     1803     2648
                TOTAL    23,3      8,6     68,1    100,0


              COUNT   I
              COL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    ROW
                      I-YR COLL 2-YR COL 4-YR COL UNIV     UNIV      TOTAL
                      I     1  I     2  I     3  I     4  I     5  I
VAR085        --------I--------I--------I--------I--------I--------I
                    0 I    76  I     1  I    10  I   159  I    34  I   280
   GR,SCHL OR LESS    I  13,8  I   1,0  I   4,5  I  11,3  I   8,6  I  10,6
                     -I--------I--------I--------I--------I--------I
                    1 I    95  I     6  I    26  I   219  I    38  I   384
   SOME  H,SCHOOL     I  17,3  I   8,0  I  11,2  I  15,6  I   9,7  I  14,5
                     -I--------I--------I--------I--------I--------I
                    2 I   249  I    25  I    95  I   594  I   159  I  1123
   H,SCHOOL GRAD,     I  45,3  I  36,5  I  41,9  I  42,2  I  40,4  I  42,4
                     -I--------I--------I--------I--------I--------I
                    3 I    83  I    23  I    54  I   249  I    90  I   498
   SOME     COLLEGE   I  15,1  I  33,0  I  23,6  I  17,7  I  22,8  I  18,8
                     -I--------I--------I--------I--------I--------I
                    4 I    40  I    12  I    33  I   152  I    57  I   294
   COLLEGE GRAD,      I   7,3  I  17,9  I  14,3  I  10,8  I  14,4  I  11,1
                     -I--------I------- -I--------I--------I--------I
                    5 I     6  I     2  I    10  I    34  I    16  I    69
   POSTGRAD DEGREE    I   1,1  I   3,5  I   4,4  I   2,4  I   4,1  I   2,6
                     -I--------I--------I--------I--------I--------I
               COLUMN     549       69      227     1408      395     2648
                TOTAL    20,7      2,6      8,6     53,2     14,9    100,0
```

```
                 * * * * * * * * * * * *
                 HIGHEST LVL EDUCATIØN, MØTHER,      Q,29
                 * * * * * * * * * * * * * * * * * * * * *

                        CØUNT   I
                        CØL PCT IALL 2-YR ALL 4-YR ALL UNI-   RØW
                                I CØLLEGE  CØLLEGE VERSITY   TØTAL
                                I    1   I    2   I    3   I
            VAR086      --------I--------I--------I--------I
                              0 I    99  I    16  I   244  I    360
              GR,SCHL ØR LESS   I  16,1  I   7,1  I  13,6  I   13,6
                               -I--------I--------I--------I
                              1 I    95  I    30  I   281  I    407
              SØME  H,SCHØØL    I  15,5  I  13,2  I  15,7  I   15,4
                               -I--------I--------I--------I
                              2 I   208  I    65  I   557  I    830
              H,SCHØØL GRAD,    I  33,8  I  28,8  I  31,0  I   31,5
                               -I--------I--------I--------I
                              3 I   118  I    43  I   331  I    493
              SØME     CØLLEGE  I  19,2  I  19,1  I  18,5  I   18,7
                               -I--------I--------I--------I
                              4 I    66  I    33  I   226  I    327
              CØLLEGE GRAD,     I  11,0  I  14,8  I  12,6  I   12,4
                               -I--------I--------I--------I
                              5 I    27  I    39  I   156  I    221
              PØSTGRAD DEGREE   I   4,3  I  17,0  I   8,7  I    8,4
                               -I--------I--------I--------I
                         CØLUMN     616      227     1795      2638
                          TØTAL    23,4      8,6     68,0     100,0
```

```
                   CØUNT   I
                   CØL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    RØW
                           I-YR CØLL 2-YR CØL 4-YR CØL UNIV     UNIV      TØTAL
                           I    1   I    2   I    3   I    4   I    5   I
       VAR086      --------I--------I--------I--------I--------I--------I
                         0 I    96  I     4  I    16  I   201  I    43  I    360
        GR,SCHL ØR LESS    I  17,5  I   5,5  I   7,1  I  14,4  I  10,9  I   13,6
                          -I--------I--------I--------I--------I--------I
                         1 I    88  I     8  I    30  I   232  I    50  I    407
        SØME  H,SCHØØL     I  16,0  I  11,0  I  13,2  I  16,5  I  12,6  I   15,4
                          -I--------I--------I--------I--------I--------I
                         2 I   188  I    21  I    65  I   452  I   105  I    830
        H,SCHØØL GRAD,     I  34,3  I  30,2  I  28,8  I  32,3  I  26,5  I   31,5
                          -I--------I--------I--------I--------I--------I
                         3 I   105  I    14  I    43  I   246  I    85  I    493
        SØME     CØLLEGE   I  19,1  I  20,1  I  19,1  I  17,6  I  21,6  I   18,7
                          -I--------I--------I--------I--------I--------I
                         4 I    50  I    18  I    33  I   155  I    7[illegible] I    327
        CØLLEGE GRAD,      I   9,2  I  25,8  I  14,8  I  11,1  I  18,0  I   12,4
                          -I--------I--------I--------I--------I--------I
                         5 I    21  I     5  I    39  I   115  I    41  I    221
        PØSTGRAD DEGREE    I   3,9  I   7,5  I  17,0  I   8,2  I  10,4  I    8,4
                          -I--------I--------I--------I--------I--------I
                    CØLUMN     547       69      227     1401      394      2638
                     TØTAL    20,8      2,6      8,6     53,1     15,0     100,0
```

```
  * * * * * * * * * * * *
    RELIGIØN IN WHICH REARED,          Q.30
  * * * * * * * * * * * * * * * * * * * * * *


             CØUNT   I
             CØL PCT IALL 2-YR ALL 4-YR ALL UNI-    RØW
                     I CØLLEGE  CØLLEGE VERSITY    TØTAL
                     I      1  I     2  I     3  I
VAR087       --------I---------I----- --I--------I
                   1 I    301  I    129 I    978 I   1407
  PRØTSTNT           I   49.7  I   57.3 I   54.5 I   53.6
                    -I---------I--------I--------I
                   2 I    247  I     83 I    658 I    988
  RØMAN    CATHØLIC  I   40.9  I   37.0 I   36.6 I   37.6
                    -I---------I--------I--------I
                   3 I     25  I      4 I     73 I    102
  JEWISH             I    4.1  I    2.0 I    4.1 I    3.9
                    -I---------I--------I--------I
                   4 I     14  I      3 I     40 I     57
  NØNE               I    2.3  I    1.3 I    2.2 I    2.2
                    -I---------I--------I--------I
                   5 I     18  I      6 I     46 I     70
  ØTHER              I    3.0  I    2.5 I    2.6 I    2.7
                    -I---------I--------I--------I
             CØLUMN       605        225     1795     2625
              TØTAL      23.0        8.6     68.4    100.0


           CØUNT   I
           CØL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC    PRIVATE     RØW
                   I-YR CØLL 2-YR CØL 4-YR CØL UNIV      UNIV       TØTAL
                   I      1  I     2  I     3  I     4  I     5  I
VAR087     --------I---------I--------I--------I--------I--------I
                 1 I    279  I    22  I   129  I   857  I   121  I   1407
  PRØTSTNT         I   51.8  I  32.7  I  57.3  I  61.0  I  30.9  I   53.6
                  -I---------I--------I--------I--------I--------I
                 2 I    216  I    31  I    83  I   453  I   204  I    988
  RØMAN   CATHØLIC I   40.2  I  46.4  I  37.0  I  32.3  I  52.3  I   37.6
                  -I---------I--------I--------I--------I--------I
                 3 I     16  I     9  I     4  I    32  I    41  I    102
  JEWISH           I    3.0  I  13.2  I   2.0  I   2.3  I  10.6  I    3.9
                  -I---------I--------I--------I--------I--------I
                 4 I     11  I     2  I     3  I    26  I    14  I     57
  NØNE             I    2.1  I   3.6  I   1.3  I   1.8  I   3.6  I    2.2
                  -I---------I--------I--------I--------I--------I
                 5 I     15  I     3  I     6  I    36  I    10  I     70
  ØTHER            I    2.9  I   4.1  I   2.5  I   2.6  I   2.6  I    2.7
                  -I---------I--------I--------I--------I--------I
           CØLUMN       538       67      225     1404      391      2625
            TØTAL      20.5      2.5      8.6     53.5     14.9     100.0
```

```
 * * * * * * * * * * * * * * *
   RELIGION, CUR ENT PREFERENCE,         Q.30
 * * * * * * * * * * * * * * * * * * * * * * * *


                   COUNT  I
                 COL PCT  IALL 2-YR  ALL 4-YR ALL UNI-    ROW
                          I COLLEGE  COLLEGE VERSITY    TOTAL
                          I      1  I      2  I      3  I
 VAR088           --------I---------I---------I---------I
                        1 I    230  I     90  I    697  I  1017
   PROTSTNT               I   39,2  I   40,9  I   39,4  I  39,5
                         -I---------I---------I---------I
                        2 I    198  I     62  I    474  I   734
   ROMAN     CATHOLIC I   33,7  I   28,3  I   26,8  I  28,5
                         -I---------I---------I---------I
                        3 I     19  I      4  I     62  I    85
   JEWISH                 I    3,3  I    1,7  I    3,5  I   3,3
                         -I---------I---------I---------I
                        4 I    103  I     51  I    440  I   595
   NONE                   I   17,5  I   23,4  I   24,9  I  23,1
                         -I---------I---------I---------I
                        5 I     37  I     12  I     96  I   145
   OTHER                  I    6,3  I    5,6  I    5,4  I   5,6
                         -I---------I---------I---------I
                   COLUMN       587        220       1769    2576
                    TOTAL      22.8        8.5       68.7   100.0


                COUNT  I
              COL PCT  IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC    PRIVATE     ROW
                       I-YR COLL 2-YR COL 4-YR COL UNIV      UNIV       TOTAL
                       I      1  I      2  I      3  I      4  I      5  I
 VAR088        --------I---------I---------I---------I---------I---------I
                     1 I    210  I     20  I     90  I    618  I     78  I  1017
   PROTSTNT            I   40,4  I   29,5  I   40,9  I   44,8  I   20,2  I  39,5
                      -I---------I---------I---------I---------I---------I
                     2 I    170  I     28  I     62  I    325  I    148  I   734
   ROMAN    CATHOLIC I   32,6  I   42,1  I   28,3  I   23,6  I   38,3  I  28,5
                      -I---------I---------I---------I---------I---------I
                     3 I     12  I      7  I      4  I     28  I     34  I    85
   JEWISH              I    2,4  I   10,1  I    1,7  I    2,0  I    8,7  I   3,3
                      -I---------I---------I---------I---------I---------I
                     4 I     96  I      7  I     51  I    330  I    110  I   595
   NONE                I   18,5  I   10,2  I   23,4  I   23,9  I   28,4  I  23,1
                      -I---------I---------I---------I---------I---------I
                     5 I     32  I      5  I     12  I     79  I     17  I   145
   OTHER               I    6,1  I    8,1  I    5,6  I    5,7  I    4,4  I   5,6
                      -I---------I---------I---------I---------I---------I
                COLUMN      520         67        220       1381        388    2576
                 TOTAL     20.2        2.6        8.5       53.6       15.0   100.0
   * * * * * * * * * * * * * * *
     ATTENDING RELIG,SERVICES, MOTHER,    Q,31
   * * * * * * * * * * * * * * * * * * * * * * *


               COUNT   I
               COL PCT IALL 2-YR ALL 4-YR ALL UNI-    ROW
                       I COLLEGE  COLLEGE VERSITY     TOTAL
                       I    1    I    2    I    3    I
VAR089          --------I---------I---------I---------I
                  1    I   318   I   119   I   969   I  1405
  WEKLY                I  51,8   I  52,8   I  53,6   I  53,1
                      -I---------I---------I---------I
                  2    I   103   I    34   I   278   I   415
  SEVERAL X A MO,      I  16,8   I  15,0   I  15,4   I  15,7
                      -I---------I---------I---------I
                  3    I    30   I    15   I   102   I   147
  ONCE A   MONTH       I   5,0   I   6,6   I   5,7   I   5,6
                      -I---------I---------I---------I
                  4    I    94   I    33   I   274   I   401
  2 OR 3 X A YEAR      I  15,3   I  14,4   I  15,2   I  15,1
                      -I---------I---------I---------I
                  5    I    68   I    25   I   184   I   278
  NEVER                I  11,2   I  11,2   I  10,2   I  10,5
                      -I---------I---------I---------I
               COLUMN      613        226       1807      2646
                TOTAL     23.2        8.5       68.3     100,0


              COUNT   I
              COL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC    PRIVATE     ROW
                      I-YR COLL 2-YR COL 4-YR COL UNIV      UNIV        TOTAL
                      I    1    I    2    I    3    I    4    I    5    I
VAR089        --------I---------I---------I---------I---------I---------I
                 1    I   279   I    38   I   119   I   751   I   217   I  1405
  WEKLY               I  51,3   I  55,7   I  52,8   I  53,1   I  55,2   I  53,1
                     -I---------I---------I---------I---------I---------I
                 2    I    91   I    12   I    34   I   235   I    43   I   415
  SEVERAL X A MO,     I  16,8   I  16,7   I  15,0   I  16,6   I  11,0   I  15,7
                     -I---------I---------I---------I---------I---------I
                 3    I    27   I     3   I    15   I    78   I    24   I   147
  ONCE A   MONTH      I   5,0   I   4,4   I   6,6   I   5.5   I   6,2   I   5,6
                     -I---------I---------I---------I---------I---------I
                 4    I    83   I    11   I    33   I   196   I    78   I   401
  2 OR 3 X A YEAR     I  15,3   I  15,3   I  14,4   I  13,9   I  19,8   I  15,1
                     -I---------I---------I---------I---------I---------I
                 5    I    63   I     5   I    25   I   154   I    31   I   278
  NEVER               I  11,6   I   7,9   I  11,2   I  10,9   I   7,8   I  10,5
                     -I---------I---------I---------I---------I---------I
              COLUMN      544        69       226      1414       394      2646
               TOTAL     20.6       2.6       8.5      53.4      14.9     100.0
```

```
* * * * * * * * * * * *
  ATTENDING RELIG.SERVICES, FATHER,    Q.31
* * * * * * * * * * * * * * * * * * * * *

              COUNT   I
              COL PCT IALL 2-YR ALL 4-YR ALL UNI-    ROW
                      I COLLEGE  COLLEGE VERSITY    TOTAL
                      I      1  I     2  I     3  I
VAR090        --------I---------I--------I--------I
                   1  I   248   I   107  I   711  I  1066
  WEKLY               I  41.0   I  47.7  I  39.8  I  40.8
                     -I---------I--------I--------I
                   2  I    78   I    28  I   237  I   343
  SEVERAL X A MO.     I  12.8   I  12.4  I  13.3  I  13.1
                     -I---------I--------I--------I
                   3  I    43   I    10  I   108  I   161
  ONCE A  MONTH       I   7.1   I   4.5  I   6.1  I   6.2
                     -I---------I--------I--------I
                   4  I   116   I    36  I   346  I   498
  2 OR 3 X A YEAR     I  19.2   I  16.1  I  19.4  I  19.0
                     -I---------I--------I--------I
                   5  I   121   I    43  I   383  I   547
  NEVER               I  19.9   I  19.3  I  21.4  I  20.9
                     -I---------I--------I--------I
              COLUMN      606        224     1785     2614
               TOTAL     23.2        8.6     68.3    100.0
```

```
            COUNT   I
            COL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC    PRIVATE     ROW
                    I-YR COLL 2-YR COL 4-YR COL UNIV      UNIV       TOTAL
                    I       1 I      2 I      3 I       4 I      5 I
VAR090     ---------I---------I--------I--------I---------I--------I
                 1  I   217   I    32  I   107  I   533   I   178  I   1066
  WEKLY             I  40.1   I  48.0  I  47.7  I  38.2   I  45.6  I   40.8
                   -I---------I--------I--------I---------I--------I
                 2  I    71   I     7  I    28  I   203   I    35  I    343
  SEVERAL X A MO.   I  13.2   I   9.9  I  12.4  I  14.5   I   8.9  I   13.1
                   -I---------I--------I--------I---------I--------I
                 3  I    39   I     4  I    10  I    86   I    22  I    161
  ONCE A  MONTH     I   7.2   I   6.2  I   4.5  I   6.2   I   5.7  I    6.2
                   -I---------I--------I--------I---------I--------I
                 4  I   104   I    12  I    36  I   261   I    85  I    498
  2 OR 3 X A YEAR   I  19.3   I  18.2  I  16.1  I  18.7   I  21.8  I   19.0
                   -I---------I--------I--------I---------I--------I
                 5  I   109   I    12  I    43  I   313   I    70  I    547
  NEVER             I  20.2   I  17.6  I  19.3  I  2 .4   I  18.0  I   20.9
                   -I---------I--------I--------I---------I--------I
            COLUMN      540        66      224      1395      390       2614
             TOTAL     20.7       2.5      8.6      53.4     14.9      100.0
```

```
 * * * * * * * * * * * * * *
   ATTENDING RELIG,SERVICES, YØU,       Q,31
 * * * * * * * * * * * * * * * * * * * * * * *


                 CØUNT  I
                 CØL PCT IALL 2-YR ALL 4-YR ALL UNI-    RØW
                         I CØLLEGE  CØLLEGE VERSITY    TØTAL
                         I     1  I     2  I     3  I
VAR091           --------I--------I--------I--------I
                     1   I   216  I    62  I   494  I   773
  WEKLY                  I  35,2  I  27,6  I  27,3  I  29,2
                        -I--------I--------I--------I
                     2   I    99  I    32  I   270  I   400
  SEVERAL X A MØ,        I  16,0  I  14,0  I  14,9  I  15,1
                        -I--------I--------I--------I
                     3   I    67  I    30  I   223  I   320
  ØNCE A  MØNTH          I  11,0  I  13,2  I  12,3  I  12,1
                        -I--------I--------I--------I
                     4   I   132  I    62  I   448  I   643
  2 ØR 3 X A YEAR        I  21,5  I  27,6  I  24,8  I  24,3
                        -I--------I--------I--------I
                     5   I   100  I    40  I   375  I   514
  NEVER                  I  16,2  I  17,5  I  20,7  I  19,4
                        -I--------I--------I--------I
                 CØLUMN      614      226     1810     2650
                  TØTAL     23.2      8.5     68.3    100.0


                 CØUNT  I
                 CØL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE     RØW
                         I-YR CØLL 2-YR CØL 4-YR CØL UNIV     UNIV       TØTAL
                         I     1  I     2  I     3  I     4  I     5  I
VAR091           --------I--------I--------I--------I--------I--------I
                     1   I   190  I    26  I    62  I   383  I   111  I   773
  WEKLY                  I  34,9  I  37,7  I  27,6  I  27,0  I  28,3  I  29,2
                        -I--------I--------I--------I--------I--------I
                     2   I    87  I    11  I    32  I   228  I    42  I   400
  SEVERAL X A MØ,        I  16,0  I  16,6  I  14,0  I  16,1  I  10,6  I  15,1
                        -I--------I--------I--------I--------I--------I
                     3   I    61  I     6  I    30  I   182  I    41  I   320
  ØNCE A  MØNTH          I  11,2  I   9,5  I  13,2  I  12,8  I  10,4  I  12,1
                        -I--------I--------I--------I--------I--------I
                     4   I   113  I    19  I    62  I   342  I   106  I   643
  2 ØR 3 X A YEAR        I  20,7  I  27,8  I  27,6  I  24,2  I  27,0  I  24,3
                        -I--------I--------I--------I--------I--------I
                     5   I    94  I     6  I    40  I   281  I    93  I   514
  NEVER                  I  17,2  I   8,5  I  17,5  I  19,9  I  23,7  I  19,4
                        -I--------I-- -----I--------I--------I--------I
                 CØLUMN      545       68      226     1416      394     2650
                  TØTAL     20.6      2.6      8.5     53.4     14.9    100.0
```

```
* * * * * * * * * * * *
NUMBER OF GRNPRNTS BORN IN THE U.S.,Q.32
* * * * * * * * * * * * * * * * * * * *


                 COUNT   I
                 COL PCT IALL 2-YR ALL 4-YR ALL UNI-    ROW
                         I COLLEGE  COLLEGE VERSITY    TOTAL
                         I     1   I     2   I     3   I
VAR092           --------I---------I---------I---------I
                       0 I    116  I     32  I    337  I    484
                         I   18,8  I   14,0  I   18,8  I   18,4
                        -I---------I---------I---------I
                       1 I     31  I     11  I     59  I    101
                         I    5,1  I    4,9  I    3,3  I    3,8
                        -I---------I---------I---------I
                       2 I    118  I     52  I    300  I    469
                         I   19,2  I   22,7  I   16,7  I   17,8
                        -I---------I---------I---------I
                       3 I     60  I     23  I    125  I    209
                         I    9,8  I   10,2  I    7,0  I    7,9
                        -I---------I---------I---------I
                       4 I    289  I    110  I    971  I   1370
                         I   47,1  I   48,1  I   54,2  I   52,0
                        -I---------I---------I---------I
                  COLUMN      614       228      1792      2634
                   TOTAL     23,3       8,6      68,0     100,0



          COUNT   I
          COL PCT IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC    PRIVATE     ROW
                  I-YR COLL 2-YR COL 4-YR COL UNIV      UNIV       TOTAL
                  I     1   I     2   I     3   I     4   I     5   I
VAR092    --------I---------I---------I---------I---------I---------I
                0 I    104  I     12  I     32  I    206  I    131  I    484
                  I   19,0  I   17,3  I   14,0  I   14,7  I   33,2  I   18,4
                 -I---------I---------I---------I---------I---------I
                1 I     27  I      4  I     11  I     29  I     30  I    101
                  I    4,9  I    6,4  I    4,9  I    2,0  I    7,6  I    3,8
                 -I---------I---------I---------I---------I---------I
                2 I    107  I     10  I     52  I    225  I     74  I    469
                  I   19,7  I   15,1  I   22,7  I   16,1  I   18,9  I   17,8
                 -I---------I---------I---------I---------I---------I
                3 I     52  I      8  I     23  I     87  I     38  I    209
                  I    9,6  I   12,0  I   10,2  I    6,2  I    9,7  I    7,9
                 -I---------I---------I---------I---------I---------I
                4 I    255  I     34  I    110  I    851  I    120  I   1370
                  I   46,8  I   49,2  I   48,1  I   60,9  I   30,6  I   52,0
                 -I---------I---------I---------I---------I---------I
           COLUMN      545        69       228      1398       394      2634
            TOTAL     20.7       2.6       8.6      53.1      15.0     100.0
```

```
                          * * * * * * * * * * * * * *
                           YØUR PRØBABLE CAREER ØCCUPATIØN
                          * * * * * * * * * * * * * * * * * * * * * *
                                                         I
           CØUNT   I                                     I
         CØL PCT  IALL 2-YR ALL 4-YR ALL UNI-    RØW    IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC    PRIVATE     RØW
                  I CØLLEGE  CØLLEGE VERSITY    TØTAL   I-YR CØLL 2-YR CØL 4-YR CØL UNIV      UNIV       TØTAL
                  I    1   I    2   I    3    I          I    1   I    2   I    3   I    4   I    5   I
YØURØCC   --------I--------I--------I---------I          I--------I--------I--------I--------I--------I
              1   I   369  I   168  I  1276   I   1812   I   327  I    41  I   168  I   993  I   283  I  1812
  PRØFESSIØNALS   I  61.8  I  76.4  I  71.6   I   69.8   I  61.8  I  61.4  I  76.4  I  71.6  I  71.8  I  69.8
                 -I--------I--------I---------I          I--------I--------I--------I--------I--------I
              2   I    14  I     1  I    14   I     28   I    14  I     0  I     1  I    13  I     1  I    28
  FARMERS         I   2.3  I   0.3  I   0.8   I    1.1   I   2.6  I   0.0  I   0.3  I   0.9  I   0.2  I   1.1
                 -I--------I--------I---------I          I--------I--------I--------I--------I--------I
              3   I    98  I    25  I   288   I    410   I    85  I    12  I    25  I   216  I    72  I   410
  MANAGERS AND ØWN I  16.3  I  11.2  I  16.2   I   15.8   I  16.1  I  18.2  I  11.2  I  15.6  I  18.3  I  15.8
                 -I--------I--------I---------I          I--------I--------I--------I--------I--------I
              4   I    25  I     2  I    13   I     39   I    22  I     2  I     2  I    11  I     1  I    39
  CLERICAL        I   4.1  I   1.0  I   0.7   I    1.5   I   4.2  I   3.6  I   1.0  I   0.8  I   0.4  I   1.5
                 -I--------I--------I---------I          I--------I--------I--------I--------I--------I
              5   I     8  I     1  I    10   I     19   I     8  I     0  I     1  I     7  I     2  I    19
  CRAFTSMEN       I   1.4  I   0.3  I   0.5   I    0.7   I   1.5  I   0.5  I   0.3  I   0.5  I   0.6  I   0.7
                 -I--------I--------I---------I          I--------I--------I--------I--------I--------I
              6   I     4  I     0  I     0   I      4   I     4  I     0  I     0  I     0  I     0  I     4
  ØPERATIVES      I   0.6  I   0.2  I   0.0   I    0.2   I   0.7  I   0.0  I   0.2  I   0.0  I   0.0  I   0.2
                 -I--------I--------I---------I          I--------I--------I--------I--------I--------I
              7   I    19  I     1  I    22   I     41   I    17  I     2  I     1  I    20  I     2  I    41
  SERVICE WØRKERS I   3.2  I   0.2  I   1.2   I    1.6   I   3.3  I   2.5  I   0.2  I   1.4  I   0.6  I   1.6
                 -I--------I--------I---------I          I--------I--------I--------I--------I--------I
              8   I    36  I     8  I    85   I    128   I    34  I     2  I     8  I    71  I    14  I   128
  ØTHER           I   6.0  I   3.5  I   4.8   I    4.9   I   6.4  I   3.1  I   3.5  I   5.1  I   3.5  I   4.9
                 -I--------I--------I---------I          I--------I--------I--------I--------I--------I
              9   I    23  I    14  I    69   I    105   I    16  I     7  I    14  I    51  I    18  I   105
  UNDECIDED       I   3.8  I   6.2  I   3.9   I    4.0   I   3.0  I  10.2  I   6.2  I   3.7  I   4.5  I   4.0
                 -I--------I--------I---------I          I--------I--------I--------I--------I--------I
             10   I     1  I     0  I     0   I      1   I     1  I     0  I     0  I     0  I     0  I     1
  UNEMPLØYED      I   0.2  I   0.0  I   0.0   I    0.0   I   0.2  I   0.0  I   0.0  I   0.0  I   0.0  I   0.0
                 -I--------I--------I---------I          I--------I--------I--------I--------I--------I
             11   I     1  I     1  I     6   I      9   I     1  I     0  I     1  I     6  I     1  I     9
  HØUSEWIFE       I   0.2  I   0.7  I   0.4   I    0.4   I   0.2  I   0.5  I   0.7  I   0.4  I   0.2  I   0.4
                 -I--------I--------I---------I          I--------I--------I--------I--------I--------I
          CØLUMN      597      219      1781      2597       529       67      219     1388      394      2597
           TØTAL     23.0      8.4      68.6     100.0      20.4      2.6      8.4     53.4     15.2     100.0
```

```
                        * * * * * * * * * * * * * *
                      . MOTHERS OCCUPATION WHEN YOU WERE 16
                        * * * * * * * * * * * * * * * * * * * *

           COUNT  I                                            I
         COL PCT  IALL 2-YR ALL 4-YR ALL UNI-     ROW          IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE      ROW
                  I COLLEGE  COLLEGE VERSITY     TOTAL         I-YR COLL 2-YR COL 4-YR COL UNIV     UNIV        TOTAL
                  I     1  I     2  I     3  I                 I     1  I     2  I     3  I     4  I     5  I
MAOCC    ---------I--------I--------I--------I                 I--------I--------I--------I--------I--------I
               1  I    65  I    32  I   197  I    293          I    52  I    12  I    32  I   153  I    44  I    293
  PROFESSIONALS   I  11.2  I  14.5  I  11.4  I   11.6          I  10.2  I  19.3  I  14.5  I  11.3  I  11.5  I   11.6
                 -I--------I--------I--------I                 I--------I--------I--------I--------I--------I
               2  I     1  I     0  I     3  I      4          I     1  I     0  I     0  I     2  I     1  I      4
  FARMERS         I   0.2  I   0.0  I   0.2  I    0.1          I   0.2  I   0.0  I   0.0  I   0.1  I   0.2  I    0.1
                 -I--------I--------I--------I                 I--------I--------I--------I--------I--------I
               3  I    23  I     9  I    67  I     99          I    19  I     4  I     9  I    51  I    16  I     99
  MANAGERS AND OWN I  4.0  I   4.0  I   3.9  I    3.9          I   3.8  I   5.5  I   4.0  I   3.8  I   4.3  I    3.9
                 -I--------I--------I--------I                 I--------I--------I--------I--------I--------I
               4  I    77  I    32  I   205  I    314          I    67  I    10  I    32  I   146  I    59  I    314
  CLERICAL        I  13.3  I  14.9  I  11.8  I   12.4          I  13.1  I  15.5  I  14.9  I  10.8  I  15.5  I   12.4
                 -I--------I--------I--------I                 I--------I--------I--------I--------I--------I
               5  I     5  I     1  I     9  I     15          I     5  I     0  I     1  I     6  I     4  I     15
  CRAFTSMEN       I   0.8  I   0.3  I   0.5  I    0.6          I   0.9  I   0.0  I   0.3  I   0.4  I   1.0  I    0.6
                 -I--------I--------I--------I                 I--------I--------I--------I--------I--------I
               6  I    48  I     8  I   121  I    177          I    45  I     2  I     8  I   102  I    19  I    177
  OPERATIVES      I   8.3  I   3.9  I   7.0  I    7.0          I   8.8  I   3.7  I   3.9  I   7.6  I   5.0  I    7.0
                 -I--------I--------I--------I                 I--------I--------I--------I--------I--------I
               7  I     1  I     1  I     3  I      5          I     1  I     0  I     1  I     3  I     0  I      5
  SERVICE WORKERS I   0.2  I   0.5  I   0.2  I    0.2          I   0.2  I   0.0  I   0.5  I   0.2  I   0.0  I    0.2
                 -I--------I--------I--------I                 I--------I--------I--------I--------I--------I
               8  I    20  I     8  I    56  I     83          I    16  I     4  I     8  I    49  I     6  I     83
  OTHER           I   3.4  I   3.8  I   3.2  I    3.3          I   3.1  I   6.0  I   3.8  I   3.6  I   1.7  I    3.3
                 -I--------I--------I--------I                 I--------I--------I--------I--------I--------I
               9  I     0  I     0  I     3  I      3          I     0  I     0  I     0  I     3  I     0  I      3
  UNDECIDED       I   0.0  I   0.0  I   0.2  I    0.1          I   0.0  I   0.0  I   0.0  I   0.2  I   0.0  I    0.1
                 -I--------I--------I--------I                 I--------I--------I--------I--------I--------I
              10  I    28  I     6  I    74  I    108          I    27  I     1  I     6  I    63  I    10  I    108
  UNEMPLOYED      I   4.9  I   3.0  I   4.2  I    4.3          I   5.2  I   2.1  I   3.0  I   4.7  I   2.8  I    4.3
                 -I--------I--------I--------I                 I--------I--------I--------I--------I--------I
              11  I   310  I   121  I   997  I   1427          I   279  I    31  I   121  I   776  I   221  I   1427
  HOUSEWIFE       I  53.8  I  55.2  I  57.5  I   56.4          I  54.5  I  47.9  I  55.2  I  57.3  I  58.0  I   56.4
                 -I--------I--------I--------I                 I--------I--------I--------I--------I--------I
          COLUMN      577      219     1734     2529              512       64      219     1354      380      2529
           TOTAL     22.8      8.6     68.6    100.0             20.3      2.5      8.6     53.5     15.0     100.0
```

```
                           * * * * * * * * * * * * * *
                            FATHERS ØCCUPATIØN WHEN YØU WERE 15
                           * * * * * * * * * * * * * * * * * * * * * *

        CØUNT  I                                             I
      CØL PCT  IALL 2-YR ALL 4-YR ALL UNI-     RØW    IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    RØW
               I CØLLEGE  CØLLEGE VERSITY     TØTAL   I-YR CØLL 2-YR CØL 4-YR CØL UNIV     UNIV      TØTAL
               I       1 I       2 I       3 I         I       1 I       2 I       3 I       4 I       5 I
PAØCC  --------I---------I---------I---------I         I---------I---------I---------I---------I---------I
             1 I     76  I     49  I    294  I    418  I     62  I     13  I     49  I    221  I     73  I    418
 PRØFESSIØNALS I   13,2  I   22,4  I   17,0  I   16,6  I   12,3  I   20,2  I   22,4  I   16,4  I   19,2  I   16,6
              -I---------I---------I---------I         I---------I---------I---------I---------I---------I
             2 I     42  I      8  I    121  I    171  I     39  I      3  I      8  I    116  I      5  I    171
 FARMERS       I    7,3  I    3,6  I    7,0  I    6,8  I    7,6  I    5,2  I    3,6  I    8,6  I    1,2  I    6,8
              -I---------I---------I---------I         I---------I---------I---------I---------I---------I
             3 I    170  I     83  I    530  I    783  I    138  I     32  I     83  I    376  I    154  I    783
 MANAGERS AND ØWN I 29,7 I   38,4  I   30,7  I   31,1  I   27,2  I   48,2  I   38,4  I   27,9  I   40,4  I   31,1
              -I---------I---------I---------I         I---------I---------I---------I---------I---------I
             4 I      7  I      3  I     25  I     35  I      5  I      2  I      3  I     17  I      8  I     35
 CLERICAL      I    1,2  I    1,2  I    1,5  I    1,4  I    1,0  I    2,6  I    1,2  I    1,2  I    2,2  I    1,4
              -I---------I---------I---------I         I---------I---------I---------I---------I---------I
             5 I    100  I     33  I    308  I    441  I     95  I      5  I     33  I    246  I     63  I    441
 CRAFTSMEN     I   17,4  I   15,0  I   17,8  I   17,5  I   18,7  I    6,9  I   15,0  I   18,2  I   16,5  I   17,5
              -I---------I---------I---------I         I---------I---------I---------I---------I---------I
             6 I    138  I     29  I    287  I    454  I    130  I      7  I     29  I    234  I     53  I    454
 ØPERATIVES    I   23,9  I   13,6  I   16,6  I   18,0  I   25,6  I   10,9  I   13,6  I   17,4  I   13,8  I   18,0
              -I---------I---------I---------I         I---------I---------I---------I---------I---------I
             7 I     10  I      1  I     29  I     41  I     10  I      0  I      1  I     22  I      7  I     41
 SERVICE WØRKERS I  1,8  I    0,7  I    1,7  I    1,6  I    2,0  I    0,5  I    0,7  I    1,7  I    1,7  I    1,6
              -I---------I---------I---------I         I---------I---------I---------I---------I---------I
             8 I     26  I     11  I    113  I    150  I     23  I      4  I     11  I     97  I     16  I    150
 ØTHER         I    4,6  I    4,9  I    6,5  I    5,9  I    4,5  I    5,6  I    4,9  I    7,2  I    4,1  I    5,9
              -I---------I---------I---------I         I---------I---------I---------I---------I---------I
             9 I      2  I      0  I      3  I      5  I      2  I      0  I      0  I      3  I      0  I      5
 UNDECIDED     I    0,4  I    0,0  I    0,2  I    0,2  I    0,4  I    0,0  I    0,0  I    0,2  I    0,0  I    0,2
              -I---------I---------I---------I         I------ --I---------I---------I---------I---------I
            10 I      3  I      0  I     19  I     22  I      3  I      0  I      0  I     16  I      3  I     22
 UNEMPLØYED    I    0,5  I    0,2  I    1,1  I    0,9  I    0,6  I    0,0  I    0,2  I    1,2  I    0,8  I    0,9
              -I---------I---------I---------I         I---------I---------I---------I---------I---------I
        CØLUMN      575       217      1728      2520        508        67       217      1348       380      2520
         TØTAL     22,8       8,6      68,6     100,0       20,2       2,6       8,6      53,5      15,1     100,0
```

```
                  * * * * * * * * * * * * * *
                  EXPECTED FIRST EMPLOYER,              Q.34
                  * * * * * * * * * * * * * * * * * * * * * * * *
            COUNT  I                                          I
          COL PCT  IALL 2-YR ALL 4-YR ALL UNI-     ROW  IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC    PRIVATE     ROW
                   I COLLEGE  COLLEGE VERSITY    TOTAL I-YR COLL 2-YR COL 4-YR COL UNIV      UNIV       TOTAL
                   I    1   I    2   I    3   I        I    1   I    2   I    3   I    4   I    5   I
VAR096     --------I--------I--------I--------I        I--------I--------I--------I--------I--------I
                 1 I     33 I      9 I     93 I    135 I     31 I      2 I      9 I     73 I     21 I    135
  FEDERAL          I    5.6 I    3.9 I    5.2 I    5.2 I    5.9 I    3.1 I    3.9 I    5.2 I    5.3 I    5.2
                  -I--------I--------I--------I        I--------I--------I--------I--------I--------I
                 2 I     61 I     13 I    119 I    193 I     52 I      9 I     13 I    101 I     18 I    193
  STATE OR LOCAL   I   10.3 I    5.9 I    6.7 I    7.5 I    9.9 I   13.7 I    5.9 I    7.2 I    4.7 I    7.4
                  -I--------I--------I--------I        I--------I--------I--------I--------I--------I
                 3 I     95 I     73 I    583 I    751 I     80 I     15 I     73 I    533 I     50 I    751
  ELEMNTRY OR SEC. I   15.9 I   33.0 I   32.8 I   28.9 I   15.1 I   22.7 I   33.0 I   38.3 I   12.9 I   28.9
                  -I--------I--------I--------I        I--------I--------I--------I--------I--------I
                 4 I     17 I     14 I     97 I    128 I     14 I      4 I     14 I     70 I     27 I    128
  HIGHER  EDUCATN  I    2.9 I    6.2 I    5.5 I    4.9 I    2.6 I    5.7 I    6.2 I    5.0 I    7.1 I    4.9
                  -I--------I--------I--------I        I--------I--------I--------I--------I--------I
                 5 I     81 I     25 I     74 I    180 I     79 I      2 I     25 I     40 I     34 I    180
  HOSPITAL         I   13.6 I   11.3 I    4.2 I    6.9 I   14.9 I    3.2 I   11.3 I    2.9 I    8.8 I    6.9
                  -I--------I--------I--------I        I--------I--------I--------I--------I--------I
                 6 I     16 I      4 I      7 I     27 I     14 I      1 I      4 I      3 I      4 I     27
  CLINIC           I    2.6 I    1.8 I    0.4 I    1.0 I    2.7 I    2.1 I    1.8 I    0.2 I    1.1 I    1.0
                  -I--------I--------I--------I        I--------I--------I--------I--------I--------I
                 7 I     15 I      7 I     22 I     44 I     11 I      4 I      7 I     17 I      5 I     44
  SOCIAL  WELFARE  I    2.5 I    3.0 I    1.2 I    1.7 I    2.1 I    6.3 I    3.0 I    1.2 I    1.3 I    1.7
                  -I--------I--------I--------I        I--------I--------I--------I--------I--------I
                 8 I      8 I      4 I     13 I     25 I      6 I      2 I      4 I      8 I      5 I     25
  CHURCH           I    1.3 I    2.0 I    0.7 I    1.0 I    1.1 I    2.7 I    2.0 I    0.6 I    1.2 I    1.0
                  -I--------I--------I--------I        I--------I--------I--------I--------I--------I
                 9 I      5 I      4 I      5 I     14 I      5 I      1 I      4 I      3 I      2 I     14
  OTHER            I    0.9 I    1.6 I    0.3 I    0.5 I    0.9 I    1.0 I    1.6 I    0.2 I    0.5 I    0.5
                  -I--------I--------I--------I        I--------I--------I--------I--------I--------I
                10 I     32 I      5 I     57 I     95 I     25 I      7 I      5 I     46 I     11 I     95
  SLF.EMPL-FM.FIRM I    5.4 I    2.4 I    3.2 I    3.6 I    4.7 I   10.9 I    2.4 I    3.3 I    2.9 I    3.6
                  -I--------I--------I--------I        I--------I--------I--------I--------I--------I
                11 I    199 I     51 I    575 I    825 I    185 I     15 I     51 I    408 I    168 I    825
  PRVT.CO.-CORPRTN I   33.6 I   22.9 I   32.3 I   31.8 I   35.0 I   22.3 I   22.9 I   29.3 I   43.3 I   31.8
                  -I--------I--------I--------I        I--------I--------I--------I--------I--------I
                12 I      5 I      7 I     34 I     46 I      5 I      0 I      7 I     19 I     15 I     46
  RESEARH          I    0.8 I    3.2 I    1.9 I    1.8 I    0.9 I    0.5 I    3.2 I    1.4 I    3.8 I    1.8
                  -I--------I--------I--------I        I--------I--------I--------I--------I--------I
            COLUMN      594      221     1779     2594      528       66      221     1392      387     2595
             TOTAL     22.9      8.5     68.6    100.0     20.4      2.5      8.5     53.7     14.9    100.0
(CONTINUED)
```

```
* * * * * * * * * * * * *
EXPECTED FIRST EMPLOYER,              Q,34
* * * * * * * * * * * * * * * * * * * *

          COUNT  I                                         I
        COL PCT  IALL 2-YR ALL 4-YR ALL UNI-     ROW       IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC    PRIVATE     ROW
                 I COLLEGE  COLLEGE VERSITY      TOTAL     I-YR COLL 2-YR COL 4-YR COL UNIV      UNIV       TOTAL
                 I      1  I      2 I      3  I            I      1  I     2  I     3  I     4  I      5  I
VAR096   --------I---------I--------I---------I            I---------I--------I--------I--------I---------I
              13 I     12  I      4 I     71  I       87   I     11  I     1  I     4  I    50  I     21  I     87
  PRFSNL PRTNRSHP I    2,1  I    1,9 I    4,0  I      3,4   I    2,1  I   2,2  I   1,9  I   3,6  I    5,4  I    3,4
                -I---------I--------I---------I            I----- --I--------I--------I--------I---------I
              14 I     15  I      2 I     28  I       45   I     12  I     2  I     2  I    21  I      7  I     45
  OTHER          I    2,4  I    1,0 I    1,6  I      1,7   I    2,3  I   3,6  I   1,0  I   1,5  I    1,7  I    1,7
                -I---------I--------I---------I            I---------I--------I--------I--------I---------I
          COLUMN       594      221     1779       2594          528       66      221     1392       387       2595
           TOTAL      22,9      8,5     68,6      100,0         20,4      2,5      8,5     53,7      14,9      100,0
```

```
                          * * * * * * * * * * * * *
                          EXPECTED LØNG RUN EMPLØYER,          Q,34
                          * * * * * * * * * * * * * * * * * * * * * * * *
          CØUNT  I                                       I
        CØL PCT  IALL 2-YR ALL 4-YR ALL UNI-    RØW     IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE     RØW
                 I CØLLEGE  CØLLEGE VERSITY    TØTAL    I-YR CØLL 2-YR CØL 4-YR CØL UNIV     UNIV       TØTAL
                 I    1   I    2   I    3   I           I    1   I    2   I    3   I    4   I    5   I
VAR097   --------I--------I--------I--------I           I--------I--------I--------I--------I--------I
               1 I    37  I     8  I    75  I    119    I    32  I     4  I     8  I    60  I    14  I    119
  FEDERAL        I   6,5  I   3,7  I   4,2  I    4,7    I   6,2  I   7,0  I   3,7  I   4,4  I   3,8  I    4,7
                -I--------I--------I--------I           I--------I--------I--------I-- -----I--------I
               2 I    36  I     8  I    87  I    131    I    32  I     4  I     8  I    74  I    12  I    131
  STATE ØR LØCAL I   6,2  I   3,9  I   4,9  I    5,1    I   6,2  I   6,1  I   3,9  I   5.4  I   3,2  I    5,1
                -I--------I--------I--------I           I--------I--------I--------I--------I--------I
               3 I    67  I    54  I   441  I    562    I    59  I     8  I    54  I   403  I    39  I    562
  ELEMNTRY ØR SEC, I 11,4 I  24,9  I  25,1  I   21,9    I  11,2  I  13,1  I  24,9  I  29,3  I  10,0  I   21,9
                -I--------I--------I--------I           I--------I--------I--------I--------I--------I
               4 I    45  I    31  I   208  I    282    I    37  I     6  I    31  I   165  I    42  I    282
  HIGHER EDUCATN I   7,4  I  14,3  I  11,8  I   11,0    I   7,1  I   9,7  I  14,3  I  12.0  I  11,0  I   11,0
                -I--------I--------I--------I           I--------I--------I--------I--------I--------I
               5 I    63  I    16  I    30  I    109    I    61  I     2  I    16  I    18  I    12  I    109
  HØSPITAL       I  10,6  I   7,6  I   1,7  I    4,2    I  11,6  I   2,8  I   7,6  I   1,3  I   3,0  I    4,2
                -I--------I--------I--------I           I--------I--------I--------I--------I--------I
               6 I    25  I     8  I    29  I     61    I    24  I     1  I     8  I    21  I     8  I     61
  CLINIC         I   4,2  I   3,5  I   1,7  I    2,4    I   4,6  I   1,1  I   3,5  I   1,6  I   2,0  I    2,4
                -I--------I--------I--------I           I--------I--------I--------I--------I--------I
               7 I    14  I     5  I    28  I     47    I    11  I     3  I     5  I    23  I     5  I     47
  SØCIAL WELFARE I   2,3  I   2,5  I   1,6  I    1,8    I   2,1  I   4,3  I   2,5  I   1,7  I   1,3  I    1,8
                -I--------I--------I--------I           I--------I--------I--------I--------I--------I
               8 I     4  I     4  I    11  I     19    I     3  I     1  I     4  I     8  I     3  I     19
  CHURCH         I   0,7  I   1,9  I   0,6  I    0,8    I   0,5  I   2,2  I   1,9  I   0.6  I   0,7  I    0,8
                -I--------I--------I--------I           I--------I--------I--------I--------I--------I
               9 I     7  I     4  I     9  I     20    I     7  I     0  I     4  I     6  I     4  I     20
  ØTHER          I   1,3  I   1,6  I   0,5  I    0,8    I   1,4  I   0,0  I   1,6  I   0.4  I   0,9  I    0,8
                -I--------I--------I--------I           I----- --I--------I--------I--------I--------I
              10 I    76  I    16  I   209  I    302    I    65  I    11  I    16  I   151  I    59  I    302
  SLF,EMPL-FM,FIRM I 13,0 I   7,3  I  11,9  I   11,8    I  12,5  I  17,3  I   7,3  I  11,0  I  15,2  I   11,8
                -I--------I--------I--------I           I--------I--------I--------I--------I--------I
              11 I   154  I    34  I   381  I    570    I   138  I    16  I    34  I   263  I   118  I    570
  PRVT,CØ,-CØRPRTN I 26,2 I  15,8  I  21,7  I   22,2    I  26,3  I  25,7  I  15,8  I  19.2  I  30,6  I   22,2
                -I--------I--------I--------I           I--------I--------I--------I--------I--------I
              12 I    15  I    10  I    60  I     86    I    14  I     2  I    10  I    37  I    23  I     86
  RESEARCH       I   2,6  I   4,7  I   3,4  I    3,4    I   2.6  I   2,7  I   4,7  I   2,7  I   6,1  I    3,4
                -I--------I--------I--------I           I----- --I--------I--------I--------I--------I
          CØLUMN     588      217     1760      2564        524       64      217     1374      386       2564
           TØTAL    22,9      8,5     68,6     100,0       20,4      2,5      8,5     53,6     15,1      100,0
(CØNTINUED)
```

```
                        * * * * * * * * * * * * * *
                          EXPECTED LØNG RUN EMPLØYER,          Q,34
                        * * * * * * * * * * * * * * * * * * * * * *

          CØUNT  I                                          I
          CØL PCT IALL 2-YR ALL 4-YR ALL UNI-     RØW      IPUBLIC 2 PRIVATE  PRIVATE  PUBLIC   PRIVATE    RØW
                  I CØLLEGE  CØLLEGE VERSITY      TØTAL    I-YR CØLL 2-YR CØL 4-YR CØL UNIV     UNIV       TØTAL
                  I     1   I    2   I    3   I            I    1   I    2   I    3   I    4   I    5   I
/AR097   --------I--------I--------I--------I             I--------I--------I--------I--------I--------I
               13 I    35  I    14  I   148  I     197     I    33  I     2  I    14  I   107  I    41  I    197
PRPSNL   PRTNRSHP I   5,9  I   6,5  I   8,4  I     7,7     I   6,3  I   3,3  I   6,5  I   7,8  I  10,6  I    7,7
                 -I--------I--------I--------I             I--------I--------I--------I--------I--------I
               14 I    11  I     4  I    43  I      58     I     8  I     3  I     4  I    36  I     7  I     58
  ØTHER           I   1,9  I   1,8  I   2,4  I     2,2     I   1,5  I   4,9  I   1,8  I   2,6  I   1,7  I    2,2
                 -I--------I--------I--------I             I--------I--------I--------I--------I--------I
          CØLUMN      588      217     1760      2564          524       64      217     1374      386      2564
          TØTAL      22,9      8,5     68,6     100,0         20,4      2,5      8,5     53,6     15,1     100,0
```